Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/8/2011

Certified Mail

Facility ID: 1431394148
Permit Number: P0104562
County: Hamilton

Andrew Roebel
DEGS of St. Bernard, LLC
139 East Fourth Street
Mail Drop EM740
Cincinnati, OH 45202

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 4/26/2011. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. 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 permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Hamilton County Dept. of Environmental Services

Response to Comments

Response to comments for: Title V Permit

Facility ID:	1431394148
Facility Name:	DEGS of St. Bernard, LLC
Facility Description:	Facility produces process steam for various independent manufacturing facilities. Previously part of the Procter and Gamble Ivorydale complex.
Facility Address:	5189 Spring Grove Avenue Cincinnati, OH 45217 Hamilton County
Permit #:	P0104562, Renewal
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Cincinnati Enquirer on 04/28/2011. The comment period ended on 05/28/2011.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: Boiler MACT
   a. Comment: Update current status of the Boiler MACT.
   b. Response: The PPP Title V Operating Permit was updated to reflect the “Stay” of the effective date of the boiler MACT.
2. Topic: Insignificant Emission Unit (IEU)listing
   a. Comment: The facility requested four IEU’s be removed from the IEU listing.
   b. Response: The IEU’s were removed.
3. Topic: Emission Unit (EU) Description for B022, Boiler No.4 IF-4A.
   a. Comment: The facility requested the EU description be changed from 450 MMBtu/hour pulverized coal fired boiler with natural gas flame stabilization controlled with an electrostatic precipitator (ESP) to 450 MMBtu/hour coal and natural gas fired boiler controlled with an electrostatic precipitator (ESP).
   b. Response: The “pulverized” and “natural gas flame stabilization” portions of the emission unit description needs to remain in order to properly categorize the

emission unit for requirements under the Boiler MACT.

4. Topic: Continuous Opacity Monitoring (COM) averaging periods
   a. Comment: The facility requested the (instantaneous) one-minute averaging period requirement for B022 be removed and only the six-minute average be recorded.
   b. Response: The one-minute average needs to be recorded to ensure the six-minute average is being calculated properly. Removing the underlying data (one-minute average) would result in the agency not being able to determine compliance.
5. Topic: Modification to section e)(3) for B022.
   a. Comment: The facility requested the first paragraph of e)(3) be changed to "The permittee shall submit quarterly reports that include the following information for the emission unit for each month during the calendar quarter:
   b. Response: The requested change in e)(3) was made as the change does not alter the ability to enforce the permit and is still clear in meaning.
6. Topic: Modification to section e)(3) for B022.
   a. Comment: The facility requested that e)(3)a and e)(3)b be deleted and the specific method used to generate the averages be added.
   b. Response: The average ash and heat content values in e)(3)a and e)(3)b cannot be removed as Ohio EPA considers them necessary to ensure ongoing compliance with the particulate emission limitations within the permit. The clarifications as to the specific average method to be used were added.
7. Topic: Deletion of T&C b)(1)c. for emission unit B043.
   a. Comment: The facility requested b)(1)c. be deleted for emission unit B043.
   b. Response: The Draft Title V Permit to Operate incorrectly referenced a Netting Demonstration to be found in section g)(2). Section g)(2), the netting demonstration, was never placed in the Title V Permit. The reference to g)(2) was taken out. The following language was added to the draft Title V to clarify the Netting demonstration for PM10 in Ohio EPA P0105661 "A netting demonstration to avoid PSD review for PM10 was performed in Ohio EPA Permit to Install P0105661. See c.1.g)(2) of Ohio EPA Permit to Install P0105661 for the specific netting demonstration"
8. Topic: Initial 12-month hours of operation and emission limitations for B043 after start-up.
   a. Comment: The facility requested the terms and conditions associated with the hours of operation and emission limitations within the initial 12-months of operation be removed.
   b. Response: As the emission unit has been operating for greater than 12-months and the facility can demonstrate ongoing compliance with the rolling 365-day hours of operation and emission limitations, the terms and conditions associated with the these limitations will be removed and/or modified.
9. Topic: Emission unit B021 shut down.
   a. Comment: Section c)(5) for emission unit B043 should be removed as B021 has been permanently shut down.
   b. Response: As B021 has been permanently shut down, c)(5) has been removed.

10. Topic: NOx CEM for B043
    a. Comment: The facility requested the NOx CEM T&C's be updated to reflect an existing NOx CEM vs. a newly installed NOx CEM.
    b. Response: The T&C were updated to reflect an existing vs. a newly installed CEM.
11. Topic:NSPS Report
    a. Comment: The facility requested the start-up related NSPS reports be removed as they have already been submitted.
    b. Response: The NSPS reports were removed.
12. Topic: Various typo's/reference issues.
    a. Comment: The facility pointed out various typo's and reference problems.
    b. Response: These problems were corrected.

Ohio | Environmental Protection Agency

PRELIMINARY PROPOSED

Division of Air Pollution Control
Title V Permit
for
DEGS of St. Bernard, LLC

Facility ID:	1431394148
Permit Number:	P0104562
Permit Type:	Renewal
Issued:	7/8/2011
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
DEGS of St. Bernard, LLC

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Authorization

Facility ID: 1431394148
Facility Description: Facility produces process steam for various independent manufacturing facilities. Previously part of the Procter and Gamble Ivorydale complex.
Application Number(s): A0031680, A0036980
Permit Number: P0104562
Permit Description: Renewal Title V permit for DEGS of St. Bernard, LLC, which includes a coal-fired boiler and two natural gas-fired boilers along with coal and flyash handling operations as well as a fuel oil stoage tank and plant roadways and parking areas. The facility's operations produce process steam for various independent manufacturing facilities. Previously part of the Procter and Gamble Ivorydale complex.
Permit Type: Renewal
Issue Date: 7/8/2011
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0099953

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

DEGS of St. Bernard, LLC
5189 Spring Grove Avenue
Cincinnati, OH 45217

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

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660
(513)946-7777

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Hamilton County Dept. of Environmental Services. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive

measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the

insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Hamilton County Dept. of Environmental Services.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

(Authority for term: OAC rule 3745-77-07(A)(6))

7. General Requirements

a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d) This permit does not convey any property rights of any sort, or any exclusive privilege.

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the

Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official

that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c) The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. An identification of each term or condition of this permit that is the basis of the certification.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met.

This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

25. Records Retention RequirementsUnder State Law Only

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of

a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. The following insignificant emissions units are located at this facility:

EU ID	Operations, Property and/or Equipment Description
P901	Fly ash handling
F002	Coal handling
F001	Plant roadways and parking areas
T001	Fuel oil storage tank

   Each insignificant emissions unit at this facility must comply with all applicable Ohio EPA and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.

3. The permittee shall ensure that any CAIR NOx, SO2, or NOx ozone season units complies with the requirements of OAC 3745-109, which includes submitting timely permit applications. The permittee shall ensure that the affected emissions units comply with those requirements as outlined in the permit application submitted as required by OAC rules 3745-109-03, 109-10 and 109-16 for the affected emissions units.

4. The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program affecting electric generating facilities (see note in paragraph 5.a).

   a) [Authority for term: OAC rule 3745-77-07(A)(5)]

5. Clean Air Interstate Rule – OAC Chapter 3745-109**.**

   a) Facility Code – 1431394148.

      (1) B021 (retired)

      (2) B022

   Note: Ohio EPA DAPC has completed proposed rule amendments for OAC Chapter 3745-14, specifically, OAC rule 3745-14-01 and OAC rule 3745-14-06, which facilitated the transition of the affected units from OAC Chapter 3745-14 into the federal Clean Air Interstate Rule (CAIR) program which began with the 2009 control periods. This began the process of “sunsetting” the parts of OAC Chapter 3745-14 which were no longer needed as a result of Ohio’s CAIR rules (OAC Chapter 3745-109). On July 6, 2010, US EPA announced the proposed CAIR replacement rule, the “Transport Rule” as required by the original court vacatur of the federal CAIR program in July 2008. The current time frame for the requirements of this program, as far as new state emission budgets, is beginning with the 2012 control periods.

b) The following regulated electrical generating units have been allocated the following CAIR allowances in the appropriate permittee's facility account as indicated below:

nissions Unit Identification Number	nual CAIR Allowance (tons) for years 2009 – 2014	one Season Allowance (tons) for years 2009 – 2014
21(retired)	30	30
22	179	179

[OAC rules 3745-14-08(A)(2)(c) and 3745-14-08(A)(2)(d)]

C. Emissions Unit Terms and Conditions

1. B022, Boiler No. 4, IG-4A

Operations, Property and/or Equipment Description:

450 MMBtu/hour pulverized coal fired boiler with natural gas flame stabilization controlled with an electrostatic precipitator (ESP).

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-10(B)	When burning only natural gas, particulate emissions shall not exceed 0.020 pound per MMBtu of actual heat input.
c.	OAC rule 3745-17-10(C)	When burning coal, particulate emissions shall not exceed 0.13 pound per MMBtu of actual heat input.
d.	OAC rule 3745-18-37(GG)(4)	Sulfur dioxide (SO2) emissions shall not exceed 2.0 pounds per MMBtu of actual heat input. See b)(2)a. and b)(2)b.
e.	OAC rule 3745-18-06(A)	This emission unit is exempt from paragraphs (D), (F) and (G) of OAC rule 3745-18-06 and from rules 3745-18-07 to 3745-18-94 of the Administrative Code during any calendar day in which natural gas is the only fuel burned.
f.	40 CFR Part 63, Subpart DDDDD — National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.	See b)(2)c.

(2) Additional Terms and Conditions

a. The average operating rate of this emissions unit shall not exceed 450 MMBtu per hour for any calendar day.

b. The exhaust stack serving this emissions unit shall be no lower than 213 feet above ground level.

c. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

c) Operational Restrictions

(1) When burning coal, the permittee shall operate the ESP during any operation of this emissions unit, except during periods of start-up and shutdown that are exempted pursuant to OAC rules 3745-17-07(A)(3)(a)(i) and 3745-17-07(A)(3)(b)(i), or during malfunctions that are exempted pursuant to OAC rule 3745-17-07(A)(3)(c).

Authority for term: (OAC rules 3745-77-07(A)(1) and 3745-17-07(A)(3)).

(2) The coal burned in this emissions unit shall have a sulfur content that, when calculated in terms of pounds of sulfur dioxide per million Btu of heat content, complies with the allowable sulfur dioxide emission limitation contained in this permit.

Authority for term: (OAC rules 3745-77-07(A)(1) and OAC rule 3745-18-04(D))

d) Monitoring and/or Recordkeeping Requirements

(1) When burning coal, to obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain a temperature monitor and recorder that measures and records the temperature of the boiler exhaust gases entering the ESP during (a) all periods of start-up until the ESP is operational or until the inlet temperature of the ESP achieves the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) all periods of shutdown until the inlet temperature of the ESP drops below the temperature level specified in OAC rule 3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

Authority for term: (OAC rules 3745-77-07(C)(1) and 3745-17-07(A)(3)).

(2) The permittee shall maintain a written quality assurance/quality control plan for the continuous opacity monitoring system, designed to ensure continuous valid and representative readings of opacity and compliance with 40 CFR Part 60, Appendix B, Performance Specification 1. The plan shall include, at a minimum, procedures for conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring accurate operation of the continuous opacity monitoring system on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

Authority for term: (OAC rule 3745-77-07(C)(1), 40 CFR 60.13 and 40 CFR Part 60, Appendix B)

(3) The permittee shall maintain on site, the document of certification received from the U.S. EPA or the Ohio EPA's Central Office verifying that the continuous opacity monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter/document of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

Each continuous monitoring system consists of all the equipment used to acquire and record data in units of all applicable standard(s), and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data processing hardware and software.

Authority for term: (OAC rule 3745-77-07(C)(1), 40 CFR 60.13 and 40 CFR Part 60, Appendix B)

(4) The permittee shall operate and maintain the continuous opacity monitoring system to continuously monitor and record the opacity of the particulate emissions from this emissions unit. The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of data obtained by the continuous opacity monitoring system including, but not limited to:

a. percent opacity on an instantaneous (one-minute) and 6-minute block average basis;

b. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

c. hours of operation of the emissions unit, continuous opacity monitoring system, and control equipment;

d. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous opacity monitoring system;

e. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous opacity monitoring system; as well as; and

f. the reason (if known) and the corrective actions taken (if any) for each such event in (d) and (e).

Authority for term: (OAC rule 3745-77-07(C)(1), 40 CFR 60.13 and 40 CFR Part 60, Appendix B).

(5) The permittee shall provide coal sampling and analysis in accordance with 40 CFR Part 60, Appendix A, Method 19. Pursuant to OAC rule 3745-18-04(D)(8)(d)(ii), the permittee shall collect one representative coal sample per day for analysis. The coal sample shall consist of at least 14 sample increments weighing a minimum of 2 pounds each.

Each daily composite sample of coal shall be analyzed in accordance with section 12.5.2.1.3 of 40 CFR Part 60, Appendix A, Method 19.

The permittee shall maintain records of the coal analyses referenced above and the sulfur dioxide emission rate for each representative coal sample calculated using the formula specified in OAC rule 3745-18-04(F)(1).

Authority for term: (OAC rules 3745-77-07(C)(1) and 3745-18-04(D) and 3745-18-04(F))

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during start-up and shutdown of the emissions unit when the ESP was not in operation, the emissions unit was burning coal, and the temperature of the boiler exhaust gases exceeded the temperature levels specified in OAC rules 3745-17-07(A)(3)(a)(i) and 3745-17-07(A)(3)(b)(i).

Authority for term: (OAC rules 3745-77-07(C)(1) and 3745-17-07(A)(3)).

(2) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous opacity monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of opacity values in excess of any limitation specified in this permit, 40 CFR Part 60, OAC rule 3745 17 07, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude (percent opacity) of each 6-minute block average exceeding the applicable opacity limitation(s), as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous opacity monitor;

iii. a description of any change in the equipment that comprises the continuous opacity monitoring system (COMS), including any change to the hardware, changes to the software that may affect COMS readings, and/or changes in the location of the COMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total operating time (hours) of the emissions unit;

vi. the total operating time of the continuous opacity monitoring system while the emissions unit was in operation;

vii. the date, time, and duration of any/each malfunction** of the continuous opacity monitoring system, emissions unit, and/or control equipment;

viii. the date, time, and duration of any downtime** of the continuous opacity monitoring system and/or control equipment while the emissions unit was in operation; and

ix. the reason (if known) and the corrective actions taken (if any) for each event in (b)(vii) and (viii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no exceedance of the opacity limit has occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the quarterly EER report.

** each downtime and malfunction event shall be reported regardless if there is an exceedance of the opacity limit.

Authority for term: (OAC rule 3745-77-07(C)(1), 40 CFR 60.13 and 40 CFR Part 60, Appendix B).

(3) The permittee shall submit quarterly reports that include the following information for the emissions unit for each month during the calendar quarter:

a. the total quantity of coal burned (tons);

b. the average ash content (percent) of the coal burned;

c. the mass weighted average sulfur content (percent) of the coal burned;

d. the average heat content (Btu/pound) of the coal burned; and

e. the calculated, mass weighted average sulfur dioxide emission rate (pounds sulfur dioxide/mmBtu actual heat input) for the coal burned.

Compliance with the sulfur dioxide emission limit shall be determined each month by calculating the mass weighted average monthly sulfur dioxide emission rate using the results of the analyses of the daily composite sample for sulfur content and heat content.

These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year, unless otherwise specified by the appropriate Ohio EPA District Office or local air agency, and shall cover the data obtained during the previous calendar quarters.

Authority for term: (OAC rules 3745-77-07(C)(1) and 3745-18-04(D))

f) Testing Requirements

(1) Compliance with the emission limitation(s) in a) and b) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Ongoing compliance with the opacity limitation contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.

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

Authority for term: (OAC rule 3745-77-07(C)(1), 40 CFR 60.13 and 40 CFR Part 60, Appendix B).

b. Emission Limitation:

Sulfur dioxide (SO2) emissions shall not exceed 2.0 pounds per MMBtu of actual heat input.

Applicable Compliance Methods:

When burning coal, compliance with this emission limitation may be demonstrated based upon the records required in d)(5).

When burning only natural gas:

Compliance may be determined by multiplying the hourly gas usage rate of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb of SO2/MM cu. ft and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation, while burning coal, in accordance with the procedures specified in OAC rule 3745-18-04(D)(7).

Authority for term: (OAC rules 3745-77-07(C)(1) and 3734-18-04(D)).

c. Emission Limitation:

0.020 lb of PE/MMBtu of actual heat input when burning only natural gas.

Applicable compliance method when burning only natural gas:

For the use of natural gas, compliance may be determined by multiplying the maximum natural gas usage rate of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs of filterable PE/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5, and the procedures specified in OAC rule 3745-17-03(B)(9).

Authority for term: (OAC rules 3745-77-07(C)(1) and 3745-17-03(B)(9)).

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

The emission testing shall be conducted within 3 years after the effective date of this permit.

The emission testing shall be conducted to demonstrate compliance with the allowable particulate emission limitation of 0.13 lb/MMBtu of actual heat input, while burning coal.

The following test methods shall be employed to demonstrate compliance with the allowable particulate emission limitation: Methods 1 through 5 of 40 CFR Part 60, Appendix A.

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 Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. 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 Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services 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.

A comprehensive written report on the results of the emission tests shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services.

Authority for term: (OAC rules 3745-77-07(C)(1) and 3745-17-03(B)(9))

g) Miscellaneous Requirements

(1) None.

2. B043, Boiler No. 5 (PB1), IG-10

Operations, Property and/or Equipment Description:

245 MMBtu/hr natural gas (primary fuel) and no.2 fuel oil (back-up fuel) fired boiler

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(15).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0105661)	0.50 lb. of SO2/MMBtu (when burning oil) 0.0006 lb. of SO2/MMBtu (when burning gas) 0.10 lb. of NOx/MMBtu (when burning gas at a rate greater than 61.25 MMBtu/hr)**; 0.17 lb. of NOx/MMBtu (when burning oil at a rate greater than 61.25 MMBtu/hr)**; 0.20 lb. of NOx/MMBtu (when burning gas or oil at a rate of less than or equal to 61.25 MMBtu/hr.)**; and 114.82 TPY of NOx*. 0.105 lb. of CO/MMBtu (when burning gas or oil at a rate greater than 61.25 MMBtu/hr.); 6.50 lbs. of CO/hour (when burning gas or oil at a rate of less than or equal to 61.25 MMBtu/hr.); and 112.68 TPY of CO*. 0.005 lb. of OC/MMBtu and 5.37 TPY of OC*. 0.020 lb. of particulate emissions (PE) and particulate matter emissions 10

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		microns or less in diameter (PM10)/MMBtu; and 21.47 TPY of PM/PM10*. 9E-6 lb. of Pb/MMBtu (when burning oil); 5E-7 lb. of Pb/MMBtu (when burning gas); and 0.0015 TPY of Pb*(Lead). The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart Db, OAC rule 3745-17-10(B)(1) and OAC rule 3745-31-05(D). * Based upon a rolling, 365-day summation of the daily emissions. ** Compliance with the NOx emission limitations stated above shall be based on a daily average recorded by the NOx monitoring system during each day that the emissions unit was in operation. A separate average shall be calculated for each of the 3 firing scenarios outlined above. A new daily average emission rate is calculated each day that the emissions unit is in operation.
b.	OAC rule 3745-31-05(D) Synthetic Minor to avoid Prevention of Significant Deterioration(PSD) for SO2	54.24 TPY of SO2*. * Based upon a rolling, 365-day summation of the daily emissions.
c.	OAC rule 3745-31-05(D) Netting to avoid Prevention of Significant Deterioration (PSD)	A netting demonstration to avoid PSD review for PM10 was performed in Ohio EPA Permit P0105661. See 1.g)(2) of Ohio EPA P0105661 for the specific netting demonstration.
d.	40 CFR Part 60 Subpart Db	See b)(2)c. for the opacity standard. See c)(2), d)(3) and e)(4) for the SO2 standards. The emission limitation specified by this rule for NOx is less stringent than the NOx emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

e.	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart Db.
f.	OAC rule 3745-17-10(B)(1)	0.020 lb. of PM/MMBtu of actual heat input.
g.	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
h.	40 CFR Part 63, Subpart DDDDD — National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.	See b)(2)d.

(2) Additional Terms and Conditions

a. 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 of 40 CFR Part 60 are also federally enforceable.

b. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the limited hours of operation when burning No. 2 fuel oil, emissions limitations, and the use of low NOx burners.

c. In accordance with 40 CFR 60.43b(F), visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except for one six-minute period per hour of not more than 27 percent opacity.

d. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

c) Operational Restrictions

(1) The permittee shall burn only natural gas and/or number two fuel oil in this emissions unit.

Authority for term: (OAC rules 3745-31-05 and 3745-77-07(A)(1))

(2) The quality of the No. 2 oil burned in this emissions unit shall have a combination of sulfur content and heat content sufficient to meet the sulfur dioxide emission limitation of 0.50 lb/MMBtu of actual heat input.

Authority for term: (OAC rules 3745-31-05 and 3745-77-07(A)(1))

(3) The maximum annual hours of operation when burning No. 2 fuel oil in this emissions unit shall not exceed 876 hours, based upon a rolling, 365-day summation of the hours of operation when burning No.2 fuel oil.

Authority for term: (OAC rules 3745-31-05(D) and 3745-77-07(A)(1))

(4) The permittee shall install, operate and maintain low-NOx burners at all times when operating this emissions unit.

Authority for term: (OAC rules 3745-31-05 and 3745-77-07(A)(1))

d) Monitoring and/or Recordkeeping Requirements

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

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(2) The permittee shall maintain a written quality assurance/quality control plan for the continuous NOx monitoring system, designed to ensure continuous valid and representative readings of NOx emissions in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous NOxmonitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1),40 CFR 60.13, and 40 CFR Part 60, Appendix F))

(3) The permittee shall maintain on site, the document of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous NOx monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 2. The letter/document of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

Each continuous monitoring system consists of all the equipment used to acquire and record data in units of all applicable standard(s), and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data processing hardware and software.

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1), 40 CFR 60.13, and 40 CFR Part 60, Appendix B))

(4) The permittee shall operate and maintain equipment to continuously monitor and record NOx emissions from this emissions unit in units of the applicable standard(s). The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of data obtained by the continuous NOx monitoring system including, but not limited to:

a. emissions of NOx in parts per million on an instantaneous (one-minute) basis;

b. emissions of NOx in all units of the applicable standard(s) in the appropriate averaging period;

c. results of quarterly cylinder gas audits;

d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);

f. hours of operation of the emissions unit, continuous NOx monitoring system, and control equipment;

g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous NOx monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous NOx monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in (g) and (h).

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1),40 CFR 60.13, and 40 CFR Part 60, Appendices B & F))

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(5) 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, heat content and the calculated SO2 emission rate [the SO2 emission rate shall be calculated as specified in OAC 3745-18-04(F)]. The records shall also include certification from the fuel oil supplier that the oil meets the definition of distillate oil [see 40 CFR 60.49b(r)].

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The

permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(6) The permittee shall maintain daily records of the quantity of oil (in gallons) and natural gas (in mmft3) used in this emissions unit.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(7) The permittee shall maintain daily records of the following information for this emissions unit:

a. the total hours of operation when burning No. 2 fuel oil; and,

b. the rolling, 365-day summation of the hours of operation when burning No. 2 fuel oil.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(8) For each day that this emissions unit burns No. 2 fuel oil, the permittee shall conduct, or have conducted, a one hour visible particulate emissions test in accordance with the following requirements:

a. the visible particulate emissions test shall be conducted to demonstrate compliance with the visible particulate limitation outlined in this permit;

b. the following test method(s) shall be employed to demonstrate compliance with the visible particulate limitation: Method 9 as outlined in 40 CFR Part 60, Appendix A; and

c. the visible particulate emissions test shall be conducted by a certified visible emissions evaluator who has met the specification of Method 9 outlined in 40 CFR Part 60, Appendix A.

A comprehensive written report on the results of the visible particulate emissions test shall be signed by the person or persons responsible for the test and retained for a period of five years from the date the record was created. This report shall contain the following information:

a. A copy of the visible emissions evaluation form; and

b. A copy of the visible emissions evaluator certification.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(9) For each day during which this emissions unit operates burning natural gas at a rate of 61.25 MMBtu/hr or higher, the permittee shall maintain daily records of the following information for this emissions unit, for the purpose of determining NOx emissions:

a. the NOx emission rate, in lbs. NOx/MMBtu, as a daily average, when burning natural gas at a rate of 61.25 MMBtu/hr or higher; and

b. the heat input, in MMBtu/hr, as a daily average, when burning natural gas at a rate of 61.25 MMBtu/hr or higher.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(10) For each day during which this emissions unit operates burning fuel oil at a rate of 61.25 MMBtu/hr or higher, the permittee shall maintain daily records of the following information for this emissions unit, for the purpose of determining NOx emissions:

a. the NOx emission rate, in lbs. NOx/MMBtu, as a daily average, when burning fuel oil at a rate of 61.25 MMBtu/hr or higher; and

b. the heat input, in MMBtu/hr, as a daily average, when burning fuel oil at a rate of 61.25 MMBtu/hr or higher.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(11) For each day during which this emissions unit operates burning natural gas or fuel oil at a rate of less than or equal to 61.25 MMBtu/hr., the permittee shall maintain daily records of the following information for this emissions unit, for the purpose of determining NOx emissions:

a. The NOx emission rate, in lbs. NOx/MMBtu, as a daily average, when burning natural gas or fuel oil at a rate of less than or equal to 61.25 MMBtu/hr; and

b. The heat input, in MMBtu/hr, as a daily average, when burning natural gas or fuel oil at a rate of less than or equal to 61.25 MMBtu/hr or higher.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(12) The permittee shall maintain daily records of the following information for this emissions unit:

a. the total daily emissions of NOx; and,

b. the rolling, 365-day summation of the NOx emissions, in tons per year.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(13) The permittee shall maintain daily records of the CO, OC, PE, and SO2 emissions from this emissions unit.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(14) The permittee shall maintain daily records of the following information for this emissions unit:

a. the total daily emissions of CO; and,

b. the rolling, 365-day summation of the CO emissions, in tons per year.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(15) The permit to install for this emissions unit (B043) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy (Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Ground-Level Concentration (MAGLC).

The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Hexane

TLV (ug/m^3): 176,000

Maximum Hourly Emission Rate (lbs/hr): 0.44

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 4.8

MAGLC (ug/m^3): 4190

Physical changes to or in the method of operation of the emissions unit after it's installation or modification could affect the parameters used to determine whether or not the "Air Toxics Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH),", than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied with the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31, and a modification of the existing permit to install will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will satisfy the Air Toxic Policy:

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. when the computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(16) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install P0105561: d)(1)-d)(15). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(2) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous NO_x monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of NO_x emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapters 3745-14 and 3745-23, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous NO_x and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total NO_x emissions for the calendar quarter (tons);

vi. the total operating time (hours) of the emissions unit;

vii. the total operating time of the continuous NO_x monitoring system while the emissions unit was in operation;

viii. results and dates of quarterly cylinder gas audits;

ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));

x. unless previously submitted, the results of any relative accuracy test audit showing the continuous NO_x monitor out-of-control and the compliant results following any corrective actions;

xi. the date, time, and duration of any/each malfunction** of the continuous NO_x monitoring system, emissions unit, and/or control equipment;

xii. the date, time, and duration of any downtime** of the continuous NO_x monitoring system and/or control equipment while the emissions unit was in operation; and

xiii. the reason (if known) and the corrective actions taken (if any) for each event in (b)(xi) and (xii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(3) The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

a. the total quantity of oil received in each shipment (gallons);

b. the weighted* average sulfur content (percent by weight) for the oil received during each calendar month;

c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month; and

d. the weighted* average SO2 emission rate (lbs/MMBtu of actual heat input) of the oil combusted during each calendar month [the SO2 emission rate shall be calculated as specified in OAC 3745-18-04(f)].

*In proportion to the quantity of oil received in each shipment during each calendar month. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the oil shipments received during the previous calendar quarters.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(4) The permittee shall submit annual reports which specify the total NOx, SO2, PM/PM10 and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(5) The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 365-day hours of operation when burning No. 2 fuel oil.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(6) The permittee shall submit deviation (excursion) reports which identify each day during which No. 2 oil was burned in this emissions unit and a one hour visible particulate emissions test was not performed.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(7) The permittee shall submit deviation (excursion) reports which identify each day during which there was an exceedance of the lb/MMBtu and lbs/hr limitations or the rolling, 365-day summation totals for NOx and CO emissions as established in b)(1) above.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(8) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install P0105561: e)(1)-e)(7). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install. .

f) Testing Requirements

(1) Compliance with the emission limitation(s) in a) and b) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

Applicable Compliance Method-

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

b. Emission Limitations:

When burning No. 2 fuel oil, sulfur dioxide emissions shall not exceed 0.50 pound per MMBtu; and

When burning natural gas, sulfur dioxide emissions shall not exceed 0.0006 pound per MMBtu.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated through the records required pursuant to d)(5).

When burning natural gas, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (0.245 MM cu. ft/hr at 1000 Btu/cu. ft) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb of sulfur dioxide per MM standard cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (245 MMBtu/hr).

If required, the permittee shall demonstrate compliance with the pound per MMBtu emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

c. Emission Limitation:

Particulate emissions shall not exceed 0.020 pound per MMBtu.

Applicable Compliance Methods:

When firing No. 2 fuel oil, compliance may be determined by multiplying an emission factor of 2.0 pounds of particulate emissions per 1000 gallons of oil burned by the emissions unit's maximum hourly fuel oil burning capacity (1750 gallons/hr at 140,000 Btu/gal) and dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98).

When firing natural gas, compliance may be determined by multiplying an emission factor of 1.9 pounds of particulate emissions per MM standard cubic feet by the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu. ft./hr at 1000 Btu/cu. ft) and dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 while firing No. 2 fuel oil.).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

d. Emission Limitations:

When burning No. 2 fuel oil at a heat input rate greater than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.17 pound per MMBtu as a daily average.

When burning natural gas at a heat input rate greater than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.10 pound per MMBtu as a daily average.

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, nitrogen oxides emissions shall not exceed 0.20 pound per MMBtu as a daily average.

Applicable Compliance Method:

Compliance with the nitrogen oxides emission limitations shall be demonstrated through the records required pursuant to d)(2)-d)(4) and d)(9)-d)(12).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

e. Emission Limitations:

When burning No. 2 fuel oil or natural gas at a heat input rate greater than 61.25 MMBtu per hour, carbon monoxide emissions shall not exceed 0.105 pound per MMBtu.

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, carbon monoxide emissions shall not exceed 6.50 pounds per hour.

Applicable Compliance Methods:

When burning No. 2 fuel oil at a heat input rate greater than 61.25 MMBtu per hour, compliance may be determined by multiplying the emissions unit's maximum hourly fuel oil burning capacity (1750 gallons/hr at 140,000 Btu/gal) by the permittee-supplied emission factor of 14.7 pounds of carbon monoxide per 1000 gallons burned, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

When burning natural gas at a heat input rate greater than 61.25 MMBtu per hour, compliance may be determined by multiplying the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu. ft/hr at 1000 Btu/cu. ft.) by the permittee-supplied emission factor of 105 pounds of carbon monoxide per MM cubic feet, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

When burning No. 2 fuel oil or natural gas at a heat input rate equal to or less than 61.25 MMBtu per hour, compliance may be determined by multiplying the permittee-supplied emission factor of 0.105 pound per MMBtu, by the emissions unit's restricted heat input capacity (61.25 MMBtu/hr).

If required, the permittee shall demonstrate compliance with these emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

f. Emission Limitation:

Organic compound emissions shall not exceed 0.005 pound per MMBtu.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance with this emission limitation may be determined by multiplying the emissions unit's maximum hourly fuel oil burning capacity (1750 gallons/hr at 140,000 Btu/gal) by the permittee-supplied emission factor of 0.7 pound of organic compounds per 1000 gallons burned, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

When burning natural gas, compliance with this emission limitation may be determined by multiplying the emissions unit's maximum hourly natural gas

burning capacity (0.245 MM cu.ft/hr. at 1000 Btu/cu. ft.) by the permittee-supplied emission factor of 5.0 pounds of organic compounds per MM cubic feet, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

g. Emission Limitations:

When burning No. 2 fuel oil, lead emissions shall not exceed 0.000009 pound per MMBtu.

When burning natural gas, lead emissions shall not exceed 0.0000005 pound per MMBtu.

Applicable Compliance Methods:

When burning No. 2 fuel oil, compliance may be determined by multiplying an emission factor of 9.0 pounds of lead per 1E-12Btu of heat input by the emissions unit's rated heat input capacity (245 MMBtu/hr). This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-10 (9/98).

When burning natural gas, compliance may be determined by multiplying the emissions unit's maximum hourly natural gas burning capacity (0.245 MM cu.ft/hr. at 1000 Btu/gal) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.0005 pound of lead per MM cubic feet of natural gas, and then dividing by the emissions unit's rated heat input capacity (245 MMBtu/hr).

If required, the permittee shall demonstrate compliance with these emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 12.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

h. Emission Limitations:

Sulfur dioxide emissions shall not exceed 54.24 tons per rolling, 365-day period.

Nitrogen oxides emissions shall not exceed 114.82 tons per rolling, 365-day period.

Carbon monoxide emissions shall not exceed 112.68 tons per rolling, 365-day period.

Organic compound emissions shall not exceed 5.37 tons per rolling, 365-day period.

Particulate emissions shall not exceed 21.47 tons per rolling, 365-day period.

Lead emissions shall not exceed 0.0015 ton per rolling, 365-day period.

Applicable Compliance Method:

Compliance with the rolling, 365-day emission limitations shall be demonstrated based upon the records required pursuant to Section d)(1)-(7) and d)(9)-d)(14).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

i. Compliance with the hours of operation when burning No. 2 fuel oil limitation in term c)(3) will be demonstrated by the recordkeeping requirements specified in d)(7).

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install P0105561: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

3. B045, Boiler PB2

Operations, Property and/or Equipment Description:

165 MMBtu per hour natural gas fired boiler

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 14-05541)	The following emission limitations shall not be exceeded: 0.10 pound per/MMBtu of nitrogen oxides(NOx);* 0.0006 pound per/MMBtu of sulfur dioxide(SO2); 0.084 pound per/MMBtu of carbon monoxide(CO); 0.011 pound per/MMBtu of organic compounds(OC); and 0.0076 pound per/MMBtu of particulate emissions (PE) and particulate matter emissions less than 10 microns in diameter (PM10).** * The NOx emissions limit is based on a 30-day rolling average as outlined in 40 CFR 60.44b(i) and applies at all times. **Assume PE=PM10. See c)(1). Visible particulate emissions from any

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		stack shall not exceed 10 percent opacity, as a six-minute average. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D) and 40 CFR Part 60 Subpart Db.
b.	OAC rule 3745-31-05(D)	Annual emissions shall not exceed the following based on a rolling, 12-month summation: 30.6 tons per year NOx; 0.2 ton per year SO2; 25.7 tons per year CO; 3.4 tons per year OC; and 2.3. tons per year PE/PM10**. ** Assume PE=PM10. See c)(2).
c.	OAC rule 3745-17-07(A)(1)	The emission limitation established in this regulation is the same as or less stringent than that established under OAC 3745-31-05(A)(3).
d.	OAC rule 3745-17-10(B)(1)	The emission limitation established in this regulation is the same as or less stringent than that established under OAC 3745-31-05(A)(3).
e.	OAC rule 3745-18-06(A)	The emission limitation established in this regulation is the same as or less stringent than that established under OAC 3745-31-05(A)(3).
f.	40 CFR Part 60 Subpart Db	The emission limitation established in this regulation is the same as or less stringent than that established under OAC 3745-31-05(A)(3).
g.	40 CFR Part 63, Subpart DDDDD — National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.	See b)(2)a.

(2) Additional Terms and Conditions

a. On May 16, 2011, U.S. EPA decided to Stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(A)(1))

(2) The total amount of natural gas burned(used) in this emissions unit shall not exceed 612.5 million cubic feet per year based upon a rolling, 12-month summation of the natural gas usage rates.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(A)(1))

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.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

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

a. the total natural gas usage rate for each month; and

b. the rolling, 12-month summation of the natural gas usage (the summation of d)(2)a. for the current month's total and previous 11-months totals).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(3) The permittee shall maintain a written quality assurance/quality control plan for the continuous NOx monitoring system, designed to ensure continuous valid and representative readings of NOx emissions in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous NOx monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test

audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1),40 CFR 60.13, and 40 CFR Part 60, Appendix B))

(4) The permittee shall maintain on site, the document of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous NOx monitoring system has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 2. The letter/document of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

Each continuous monitoring system consists of all the equipment used to acquire and record data in units of all applicable standard(s), and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data processing hardware and software.

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1),40 CFR 60.13, and 40 CFR Part 60, Appendix B))

(5) The permittee shall operate and maintain equipment to continuously monitor and record NOx emissions from this emissions unit in units of the applicable standard(s). The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of data obtained by the continuous NOx monitoring system including, but not limited to:

a. emissions of NOx in parts per million on an instantaneous (one-minute) basis;

b. emissions of NOx in all units of the applicable standard(s) in the appropriate averaging period;

c. results of quarterly cylinder gas audits;

d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);

f. hours of operation of the emissions unit, continuous NOx monitoring system, and control equipment;

g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous NOx monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous NOx monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in (g) and (h).

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1),40 CFR 60.13, and 40 CFR Part 60, Appendices B & F))

(6) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install 14-05541: d)(1)-d)(5). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month natural gas usage limitation of 612.5 million cubic feet and for the first 12 calendar months of operation following the initial startup of this emissions unit, all exceedances of the maximum allowable natural gas usage limitation.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(2) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit.

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

(3) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous NO_x monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of NO_x emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapters 3745-14 and 3745-23, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous NO_x and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total NO_x emissions for the calendar quarter (tons);

vi. the total operating time (hours) of the emissions unit;

vii. the total operating time of the continuous NO_x monitoring system while the emissions unit was in operation;

viii. results and dates of quarterly cylinder gas audits;

ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));

x. unless previously submitted, the results of any relative accuracy test audit showing the continuous NO_x monitor out-of-control and the compliant results following any corrective actions;

xi. the date, time, and duration of any/each malfunction** of the continuous NO_x monitoring system, emissions unit, and/or control equipment;

xii. the date, time, and duration of any downtime** of the continuous NO_x monitoring system and/or control equipment while the emissions unit was in operation; and

xiii. the reason (if known) and the corrective actions taken (if any) for each event in (b)(xi) and (xii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

(Authority for term: OAC rules 3745-31-05, 3745-77-07(C)(1),40 CFR 60.13, and 40 CFR Part 60, Appendices B & F))

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install 14-05541: e)(1)-e)(3). The reporting requirements contained in the above-

referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in a) and b) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method-

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1)).

b. Emission Limitations:

0.0076 lb of PE/PM10/MMBtu of actual heat input; and

2.3 TPY of PM/PM10.

Applicable compliance method:

Compliance may be determined by multiplying the maximum natural gas usage rate of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs of filterable PE/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr) multiplied by the percentage of particulate emissions with a diameter less than 10 microns.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb of PE/PM10/MMBtu limitation specified in b)(1). Should the actual annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in d)(2).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

c. Emission Limitations:

0.0006 lb. of SO2/MMBtu of actual heat input; and

0.2 TPY of SO2.

Applicable compliance method:

Compliance may be determined by multiplying the hourly gas usage rate of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb of SO2/MM cu. ft and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/MMBtu limitation specified in b)(1). Should the actual annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded pursuant to d)(2).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

d. Emission Limitations:

0.10 lb. of NOx/MMBtu of actual heat input when burning only natural gas; and

30.6 TPY of NOx.

Applicable compliance method:

Ongoing compliance with the NO_x emission limitations contained in this permit, 40 CFR Part 60 and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/MMBtu limitation specified in b)(1). Should the actual annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in d)(2).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

e. Emission Limitations:

0.084 lb of CO/MMBtu of actual heat; and

25.7 TPY of CO.

Applicable compliance method:

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr.) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 84 lbs of CO/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/MMBtu limitation specified in b)(1). Should the actual annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in d)(2).

(Authority for term: OAC rules 3745-31-05 and 3745-77-07(C)(1))

f. Emission Limitations:

0.011 lb of OC/MMBtu of actual heat input; and

3.4 TPY of OC.

Applicable compliance method:

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr.) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 5.5 lbs of VOC/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/MMBtu limitation specified in b)(1). Should the actual annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in d)(2).

(Authority for term: OAC rules 3745-31-05(A)(3), and 3745-77-07(C)(1))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install 14-05541: f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.