



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

4/29/2013

Certified Mail

Mr. J. Freund
DTE St. Bernard, LLC
PO Box 16070
Cincinnati, OH 45216

Facility ID: 1431394148
Permit Number: P0104562
County: Hamilton

RE: FINAL AIR POLLUTION CONTROL TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is a final Ohio Environmental Protection Agency (EPA) Air Pollution Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this Title V permit is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions regarding this permit, please contact the Southwest Ohio Air Quality Agency as indicated on page one of your permit.

Sincerely,



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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Southwest Ohio Air Quality Agency



FINAL

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

Facility ID:	1431394148
Permit Number:	P0104562
Permit Type:	Renewal
Issued:	4/29/2013
Effective:	5/20/2013
Expiration:	5/20/2018



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

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Final Title V Permit
 DTE St. Bernard, LLC
Permit Number: P0104562
Facility ID: 1431394148
Effective Date:5/20/2013

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 storage 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: 4/29/2013
 Effective Date: 5/20/2013
 Expiration Date: 5/20/2018
 Superseded Permit Number: P0099953

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

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

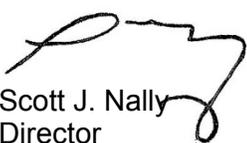
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency
 250 William Howard Taft Rd.
 Cincinnati, OH 45219
 (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 Southwest Ohio Air Quality Agency. 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



Final Title V Permit
DTE St. Bernard, LLC
Permit Number: P0104562
Facility ID: 1431394148
Effective Date: 5/20/2013

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 Southwest Ohio Air Quality Agency.

(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 contaminant 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 Requirements Under 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 Requirements Under 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.



Final Title V Permit
DTE St. Bernard, LLC
Permit Number: P0104562
Facility ID: 1431394148
Effective Date: 5/20/2013

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. 40 CFR Part 63, Subpart DDDDD (Boiler MACT) Requirements

The permittee will be subject to the applicable emission limitation(s) and/or control measures, operational restrictions, monitoring and/or record keeping requirements, reporting requirements, testing requirements and the general and/or other requirements specified in 40 CFR Part 63, Subpart DDDDD, in accordance with 40 CFR Parts 63.7480 through 63.7575 (including the Table(s) and Appendix(ices) referenced in Subpart DDDDD).

The following emissions units in this permit are subject to the aforementioned requirements: B022, B043 and B045.

(Authority for term: 40 CFR Part 63)

3. 40 CFR Part 64 Compliance Assurance Monitoring (CAM) Requirements

The Ohio EPA has approved the Compliance Assurance Monitoring (CAM) plan submitted by the permittee, pursuant to 40 CFR Part 64, for emissions unit B022. The permittee shall comply with the provisions of the plan (as specified in Part C - Terms and Conditions for Emissions Units) during any operation of the aforementioned emissions units.

Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart DDDDD, after the compliance date in that rule.

(Authority for term: 40 CFR Part 64)

4. The permittee shall ensure that any CAIR NO_x, SO₂, or NO_x 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.

5. The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program that is applicable to emission units at this facility (see note in paragraph 6.a).

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

6. Clean Air Interstate Rule – OAC Chapter 3745-109.

a) Facility Code – 1431394148.

(1) B021 (retired)

(2) B022



Note: Ohio EPA DAPC completed 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 that 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. On August 21, 2012, the United States Court of Appeals for the D.C. Circuit vacated the Transport Rule and ordered EPA to continue administering CAIR until it promulgates a replacement.

- b) The following regulated emissions units have been allocated the following CAIR allowances in the appropriate permittee’s facility account as indicated below:

Emissions Unit Identification Number	Annual CAIR Allowance (tons) for years 2009 – 2014	Ozone Season Allowance (tons) for years 2009 – 2014
B021(retired)	30	30
B022	179	179



Final Title V Permit
DTE St. Bernard, LLC
Permit Number: P0104562
Facility ID: 1431394148
Effective Date: 5/20/2013

C. Emissions Unit Terms and Conditions



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

Operations, Property and/or Equipment Description:

450 MMBtu/hour pulverized coal and/or natural gas 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)	<p>When burning only natural gas, particulate emissions shall not exceed 0.020 pound per MMBtu of actual heat input.</p> <p>Should the particulate emission limitation established in 40 CFR Part 63, Subpart DDDDD be more stringent than the particulate emission limitation established under OAC rule 3745-17-10(B), the permittee shall comply with the more stringent emission limitation established under 40 CFR Part 63, Subpart DDDDD after the compliance date in 40 CFR Part 63, Subpart DDDDD.</p>
c.	OAC rule 3745-17-10(C)	<p>When burning coal, particulate emissions shall not exceed 0.13 pound per MMBtu of actual heat input.</p> <p>Should the particulate emission limitation established in 40 CFR Part 63, Subpart DDDDD be more stringent than the particulate emission limitation established under OAC rule 3745-17-10(C), the permittee shall comply with the more</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		stringent emission limitation established under 40 CFR Part 63, Subpart DDDDD after the compliance date in 40 CFR Part 63, Subpart DDDDD.
d.	OAC rule 3745-18-37(GG)(4)	Sulfur dioxide (SO ₂) 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.	Applicable Emission Limits in Tables 1 and 2; Applicable Work Practice Standards in Table 3; and Applicable Operating Limits in Table 4 to Subpart DDDDD of 40 CFR Part 63. Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).
g.	40 CFR Part 64	See d)(2)-d)(4), d)(6), and e)(2). Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart DDDDD, after the compliance date in that rule.

(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. This heat input value is understood to be at maximum and therefore daily record keeping records are not necessary to validate that value.

Authority for term: (OAC rules 3745-77-07(A)(1) and 3745-18-37(GG))

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

Authority for term: (OAC rules 3745-77-07(A)(1) and 3745-18-37(GG))



c) Operational Restrictions

- (1) When burning coal, the permittee shall operate the ESP, 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). When natural gas is the only fuel burned, the permittee is not required to operate the ESP.

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 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))



- (3) 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) and 40 CFR Part 64)

- (4) 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), 3745-17-03(B)(1)(b),and 40 CFR Part 64)

- (5) The permittee shall operate and maintain the continuous opacity monitoring system to continuously monitor and record the opacity in the stack serving this emissions unit. The continuous monitoring and recording equipment shall be operated and maintained in accordance with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of data obtained by the continuous opacity monitoring system including the following:

- a. six-minute opacity averages; these six-minute averages shall be calculated from 36 or more data points equally spaced over each 6-minute period;
- 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) and 40 CFR Part 64).

- (6) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for particulate emissions is the opacity of the visible particulate emissions from the ESP exhaust stack as measured and recorded by the certified continuous opacity monitoring (COM) system. The visible particulate emissions indicator range is each three-hour rolling average with an opacity value greater than 20%. The three-hour rolling average opacity shall be based on the six-minute block averages recorded in d)(5)a. excluding exempt time periods of startup and shutdown. Excluding exempt time periods of startup and shutdown when the opacity value over the averaging period of the indicator range is greater than 20%, corrective action (including, but not limited to, an evaluation of the emissions unit and ESP) will be assessed and implemented as appropriate.

Upon detecting an excursion of the visible particulate emission indicator range listed above, the owner or operator shall restore operation of the emissions unit (including the control device) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as thorough response by the computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

If a determination is made by the Administrator or Ohio EPA that the permittee has not used acceptable procedures in response to an excursion or exceedance based on the results of a determination made under 40 CFR Part 64.7(d)(2), the permittee may be required to develop a Quality Improvement Plan (QIP) consistent with the requirements of 40 CFR Part 64.8.

Authority for term: (OAC rules 3745-77-07(C)(1) and 40 CFR Part 64)

- (7) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the PM monitoring requirements specified in 40 CFR section 63.7525 will replace the monitoring requirements of 40 CFR Part 64 specified in d)(3) - d)(6).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

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. 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. *, 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 deviation 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 64).

- (3) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the reporting requirements specified in 40 CFR section 63.7550 will replace the reporting requirements of 40 CFR Part 64 specified in e)(2).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

- (4) The permittee shall submit quarterly reports that include the following information for the emissions unit for each month during the calendar quarter:
- a. the mass weighted average sulfur content (percent) of the coal burned;
 - b. the average heat content (Btu/pound) of the coal burned; and
 - c. 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 January 30, April 30, July 30 and October 30 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:

Compliance with this emission limitation shall be determined through the use of the data collected as required in the Monitoring and Recordkeeping Section of this permit and through demonstration of compliance with the quality assurance/quality control plan. During each calendar quarter, the permittee shall be deemed in compliance with the visible emission limitations if the following conditions are met:

- i. The nonexempt opacity values in excess of twenty per cent opacity are less than 1.10 per cent of the six-minute average opacity values. (Exempt opacity values are defined in paragraphs (A)(1)(b), (A)(2), and (A)(3) of rule 3745-17-07 of the Administrative Code).
- ii. None of the nonexempt six-minute average opacity values exceeds sixty percent.
- iii. The total amount of time, in hours, of exempt and nonexempt opacity values greater than twenty per cent and less than sixty per cent (not including start-up, shutdown, and malfunction exemptions provided in paragraphs (A)(2) and (A)(3) of rule 3745-17-07 of the Administrative Code) does not exceed the product of 0.10 times the actual number of hours the emissions unit was in operation during the calendar quarter.

In the event of a discrepancy between the continuous opacity monitoring data and any observations performed in accordance with paragraph (B)(1)(a) of OAC rule 3745-17-03 during the same time period, an evaluation may be performed by the Ohio EPA to assess the accuracy of the continuous opacity monitoring data (which may include an audit of the continuous opacity monitoring system performed in accordance with U.S. EPA document 340/1-86-010) and the validity of the observations performed in accordance with paragraph (B)(1)(a) of OAC rule 3745-17-03. The Ohio EPA may accept and utilize any data or observation it finds credible. The permittee is not precluded from using any credible evidence in defense of any enforcement action that may be initiated by the Ohio EPA.

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

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

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)(2).



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 Southwest Ohio Air Quality Agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Southwest Ohio Air Quality Agency. The "Intent to



Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Southwest Ohio Air Quality Agency refusal to accept the results of the emission test(s).

Personnel from the Southwest Ohio Air Quality Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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 Southwest Ohio Air Quality Agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Southwest Ohio Air Quality Agency.

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) 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 P0105661)	0.50 lb. of SO ₂ /MMBtu (when burning oil) 0.0006 lb. of SO ₂ /MMBtu (when burning gas) 0.10 lb. of NO _x /MMBtu (when burning gas at a rate greater than 61.25 MMBtu/hr)**; 0.17 lb. of NO _x /MMBtu (when burning oil at a rate greater than 61.25 MMBtu/hr)**; 0.20 lb. of NO _x /MMBtu (when burning gas or oil at a rate of less than or equal to 61.25 MMBtu/hr.)**; and 114.82 TPY of NO _x *. 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 matter emissions 10 microns or less in diameter (PM ₁₀)/MMBtu; and 21.47 TPY of PM/PM ₁₀ *.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>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).</p> <p>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).</p> <p>* Based upon a rolling, 365-day summation of the daily emissions.</p> <p>** 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.</p> <p>Should the particulate emission limitation established in 40 CFR Part 63, Subpart DDDDD be more stringent than the particulate emission limitation established under 3745-31-05(A)(3), the permittee shall comply with the more stringent emission limitation established under 40 CFR Part 63, Subpart DDDDD after the compliance date in 40 CFR Part 63, Subpart DDDDD.</p>
b.	OAC rule 3745-31-05(D) Synthetic Minor to avoid Prevention of Significant Deterioration(PSD) for SO2	54.24 TPY of SO2*. <p>* Based upon a rolling, 365-day summation of the daily emissions.</p>
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



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		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 PE/MMBtu of actual heat input. Should the particulate emission limitation established in 40 CFR Part 63, Subpart DDDDD be more stringent than the particulate emission limitation established under 3745-17-10(B)(1), the permittee shall comply with the more stringent emission limitation established under 40 CFR Part 63, Subpart DDDDD after the compliance date in 40 CFR Part 63, Subpart DDDDD.
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.	Applicable Emission Limits in Tables 1 and 2; Applicable Work Practice Standards in Table 3; and Applicable Operating Limits in Table 4 to Subpart DDDDD of 40 CFR Part 63. Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).

(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.

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 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, Appendix F; 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, Appendix F.

(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 NO_x 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 NO_x 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 NO_x monitoring system including the following:

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

- (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, 3745-77-07(C)(1), and 40 CFR Part 60.46b(d)(7))

- (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; and
 - b. the heat input, in MMBtu/hr, as a daily average.

(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; and
 - b. The heat input, in MMBtu/hr, as a daily average.

(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 NO_x; and,
- b. the rolling, 365-day summation of the NO_x 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 OC, PM₁₀, 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) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the monitoring requirements specified in 40 CFR section 63.7525 will replace the monitoring requirements specified in d)(8).

(Authority for term: 3745-77-07(C)(1) and 40 CFR Part 63 Subpart DDDDD)

- (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. 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 done three out of every four quarters;
 - 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 NO_x, SO₂, PM/PM₁₀ and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 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 limitation.

(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 NO_x and CO emissions as established in b)(1) above.

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

- (8) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the reporting requirements specified in 40 CFR section 63.7550 will replace the reporting requirements specified in e)(6).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63 Subpart DDDDD)

- (9) 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)(8). 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 10 microns and less (PM10) 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 0.000005 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/MMBtu of nitrogen oxides(NOx);* 0.0006 pound/MMBtu of sulfur dioxide(SO2); 0.084 pound/MMBtu of carbon monoxide(CO),*** 0.011 pound/MMBtu of organic compounds(OC); and 0.0076 pound /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 b)(2)b. See c)(1).



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average.</p> <p>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.</p> <p>Should the particulate emission limitation established in 40 CFR Part 63, Subpart DDDDD be more stringent than the particulate emission limitation established under 3745-31-05(A)(3), the permittee shall comply with the more stringent emission limitation established under 40 CFR Part 63, Subpart DDDDD after the compliance date in 40 CFR Part 63, Subpart DDDDD.</p>
b.	OAC rule 3745-31-05(D)	<p>Annual emissions shall not exceed the following based on a rolling, 12-month summation:</p> <p>30.6 tons per year NOx;</p> <p>0.2 ton per year SO2;</p> <p>25.7 tons per year CO;</p> <p>3.4 tons per year OC; and</p> <p>2.3. tons per year PE/PM10**.</p> <p>** Assume PE=PM10.</p> <p>See c)(2).</p>
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).



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Should the particulate emission limitation established in 40 CFR Part 63, Subpart DDDDD be more stringent than the particulate emission limitation established under 3745-17-10(B)(1), the permittee shall comply with the more stringent emission limitation established under 40 CFR Part 63, Subpart DDDDD after the compliance date in 40 CFR Part 63, Subpart DDDDD.
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.	<p>Applicable Emission Limits in Tables 1 and 2; Applicable Work Practice Standards in Table 3; and Applicable Operating Limits in Table 4 to Subpart DDDDD of 40 CFR Part 63.</p> <p>Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).</p>

(2) Additional Terms and Conditions

a. The permittee shall comply with the CO emissions limit during all times except during periods of startup, shutdown, malfunction, and when the boiler is operating at less than 50% of rated capacity.

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 NO_x monitoring system, designed to ensure continuous valid and representative readings of NO_x 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 NO_x 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, Appendix F; 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, Appendix F.

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

- (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 NO_x 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 NO_x 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 NO_x monitoring system including, but not limited to:

- a. emissions of NO_x in parts per million on an instantaneous (one-minute) basis;
- b. emissions of NO_x 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 NO_x 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 NO_x 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 NO_x 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) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the monitoring requirements specified in 40 CFR section 63.7525 will replace the monitoring requirements specified in d)(1).

(Authority for term: 3745-77-07(C)(1) and 40 CFR Part 63 Subpart DDDDD)

- (7) 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)(6). 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.

(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. 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, done three out of every four quarters;
- 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) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the reporting requirements specified in 40 CFR section 63.7550 will replace the reporting requirements specified in e)(2).

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63 Subpart DDDDD)

- (5) 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)(4). 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 NO_x/MMBtu of actual heat input when burning only natural gas; and
30.6 TPY of NO_x.

Applicable compliance method:

Ongoing compliance with the nitrogen oxides lb/mmBtu emission limitation shall be determined on a continuous basis through the use of a rolling, 30-day average emission rate calculated from the hourly average data obtained by the continuous nitrogen oxides monitoring system. A new rolling, 30-day average emission rate is calculated each steam generating unit operating day as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

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 11 lbs of OC/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



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compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

- g) Miscellaneous Requirements
 - (1) None.