



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

10/13/2016

Certified Mail

Karen Dethloff
MetroHealth Medical Center
2500 MetroHealth Drive
Cleveland, OH 44109-1998

Facility ID: 1318002965
Permit Number: P0120456
County: Cuyahoga

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

Dear Permit Holder:

Enclosed is the Ohio Environmental Protection Agency (EPA) Preliminary Proposed Title V permit that was issued in draft form on 8/29/2016. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall	and	Cleveland Division of Air Quality
Permit Review/Development Section		2nd Floor
Ohio EPA, DAPC		75 Erieview Plaza
50 West Town Street, Suite 700		Cleveland, OH 44114
P.O. Box 1049		
Columbus, Ohio 43216-1049		

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments. If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

A handwritten signature in black ink that reads "Michael E. Hopkins".

Michael E. Hopkins, P.E.
Assistant Chief Permitting Section, DAPC

Cc: Cleveland Division of Air Quality



Response to Comments

Facility ID:	1318002965
Facility Name:	MetroHealth Medical Center
Facility Description:	Hospital
Facility Address:	2500 MetroHealth Drive Cleveland, OH 44109 Cuyahoga County
Permit:	P0120456, Title V Permit - Renewal
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Plain Dealer on 09/02/2016. The comment period ended on 10/02/2016.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

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

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

1. Topic: None

- a. Comment: None
- b. Response: None



PRELIMINARY PROPOSED

Division of Air Pollution Control Title V Permit for MetroHealth Medical Center

Facility ID:	1318002965
Permit Number:	P0120456
Permit Type:	Renewal
Issued:	10/13/2016
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance



Division of Air Pollution Control
Title V Permit
for
MetroHealth Medical Center

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Preliminary Proposed Title V Permit

MetroHealth Medical Center

Permit Number: P0120456

Facility ID: 1318002965

Effective Date: To be entered upon final issuance

Authorization

Facility ID: 1318002965
Facility Description: Hospital
Application Number(s): A0053983
Permit Number: P0120456
Permit Description: Title V renewal permit for one Babcock and Wilcox 91 mmBtu/hr, natural gas/No. 2 oil-fired boiler (B004), and five 23.6 mmBtu/hr natural gas-fired boilers (B006-B010).
Permit Type: Renewal
Issue Date: 10/13/2016
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0106860

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

MetroHealth Medical Center
2500 MetroHealth Drive
Cleveland, OH 44109

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

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

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 Cleveland Division of Air Quality. 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 and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director



Preliminary Proposed Title V Permit
MetroHealth Medical Center
Permit Number: P0120456
Facility ID: 1318002965
Effective Date: To be entered upon final issuance

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 For State-Only Requirements
 - (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
 - (5) Standard Term and Condition A. 30.

(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 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 submitted scheduled maintenancerequests, 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 submitted promptly to the Cleveland Division of Air Quality. Except as provided below, the written reports shall be submitted 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 to the Cleveland Division of Air Quality 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." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

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

- (5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Cleveland Division of Air Quality unless otherwise specified.

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

3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From 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) 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 except as provided pursuant to A.16 below.
- c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with 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.



Preliminary Proposed Title V Permit

MetroHealth Medical Center

Permit Number: P0120456

Facility ID: 1318002965

Effective Date: To be entered upon final issuance

- 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 Cleveland Division of Air Quality 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 Cleveland Division of Air Quality) 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 on or before April 30th of each year during the permit term.
 - (2) Compliance certifications shall include the following:
 - a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.
 - b. The permittee's current compliance status.



- c. Whether compliance was continuous or intermittent consistent with A.13.d.2.a above.
 - d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.
 - 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 Cleveland Division of Air Quality 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 Cleveland Division of Air Quality 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 Federal Register 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 is subject to 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.

Unless otherwise exempted, no emissions unit identified in this permit that has been 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 operating 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 Cleveland Division of Air Quality.
- 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 Cleveland Division of Air Quality. 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 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 For State-Only Requirements

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 Cleveland Division of Air Quality 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 Cleveland Division of Air Quality 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 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 potential to emit; or
- c) where the company's Responsible Official has certified that an emissions unit has been permanently shut down.



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30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Cleveland Division of Air Quality, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.



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B. Facility-Wide Terms and Conditions



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

a) None.

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

EU ID	Operations, Property and/or Equipment Description
B011	Emergency Generator 650 KW No.2 oil P-8 (OAC rule 3745-31-03(A)(4)(b))
B012	Emergency Generator 500 KW No.2 oil P-14 (OAC rule 3745-31-03(A)(4)(b))
B013	Emergency Generator 900 KW No.2 oil P-15 (OAC rule 3745-31-03(A)(4)(b))
B014	Emergency Generator 800 KW No.2 oil P-16 (OAC rule 3745-31-03(A)(4)(b))
B015	Emergency Generator 125 KW No.2 oil P-17 (OAC rule 3745-31-03(A)(4)(b))
B016	Emergency Generator 1250 KW No.2 oil P-18 (OAC rule 3745-31-03(A)(4)(b))
B017	Emergency Generator 836 KW No.2 oil P-9 (OAC rule 3745-31-03(A)(4)(b))
B018	Emergency Generator 836 KW No.2 oil P-10 (OAC rule 3745-31-03(A)(4)(b))
B019	Emergency Generator 750 KW No. 2 oil P-11 (OAC rule 3745-31-03(A)(4)(b))
B020	Emergency Generator 800 KW No.2 oil P-12 (OAC rule 3745-31-03(A)(4)(b))
B021	Emergency Generator 1250 KW No.2 oil P-19 (OAC rule 3745-31-03(A)(4)(b))
B022	Emergency Generator 135 KW Distillate oil P-20 (OAC rule 3745-31-03(A)(4)(b))

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

Each insignificant emissions unit at this facility must comply with all State and Federal regulations. It is the responsibility of the Title V permit holder to know which area source MACT/GACT applies to individual IEUs at the facility and ensure that those emissions units comply with the area source MACT/GACT requirements.

[Authority for term: OAC rule 3745-77-07(A)(13)]



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C. Emissions Unit Terms and Conditions



1. B004, Boiler #6

Operations, Property and/or Equipment Description:

Babcock & Wilcox 91 MMBTU/HR Boiler, gas/no.2 oil fired, Boiler No. 6

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 from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
b.	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb per mmBtu of actual heat input.
c.	OAC rule 3745-18-06(D)	Sulfur dioxide emissions shall not exceed 1.6 lbs per mmBtu of actual heat input.
d.	OAC rule 3745-110-03(B)	Nitrogen oxide emissions shall not exceed 0.1 lb per mmBtu (for natural gas) When burning fuel oil see b)(2)a. and b)(2)b. below.
e.	40 CFR Part 63, Subpart JJJJJJ	See b)(2)b. below.

(2) Additional Terms and Conditions

a. If the permittee uses the fuel oil for more than a backup/emergency basis (as noted in b)(2)b. below), then the permittee may be required to test and comply with the allowable limit of 0.12 lb NO_x/mmBtu for fuel oil.

b. This emissions unit is not subject to this rule while burning fuel oil during periods of gas curtailment, gas supply emergencies, or periodic testing on fuel oil.



Periodic testing of the fuel oil shall not exceed 48 hours during any calendar year.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.

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

- (2) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in b)(1) above.

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

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

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

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing". The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E)(3) and 3745-18-04(F)]

- (2) The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM Methods D240 and D4294), or equivalent methods as approved by the Cleveland Division of Air Quality (Cleveland DAQ).

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) For each day during which the permittee burns a fuel other than natural gas and/or No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (4) The permittee shall maintain records of the date and amount of No. 2 fuel oil burned.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A)]

- (2) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (3) The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from d)(1) above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.



Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

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

b. Emission Limitation:

Particulate emissions shall not exceed 0.020 lb per mmBtu of actual heat input.

Applicable Compliance Method:

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (91,000 cu ft/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emissions Factors, Section 1.4, Table 1.4-2 (7/98) emission factor for PM/PM₁₀ (1.9 lbs/mmcf) and dividing by the maximum hourly heat input capacity of the emissions unit (91 mmBtu/hr).

For the use of No. 2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (480 gal/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98) emission factor for PM/PM₁₀ (2 lbs/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (91 mmBtu/hr).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-17-03(B)(10)]

c. Emission Limitation:

Sulfur dioxide emissions shall not exceed 1.6 lbs/mmBtu.

Applicable Compliance Method:

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

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 6.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(E) and 3745-18-04(F)(2)]



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g) Miscellaneous Requirements

- (1) This emissions unit was installed in 1968. Therefore, this emissions unit is not subject to 40 CFR Part 60, Subpart Dc; Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.
- (2) Superseded permits include P0094425, issued final 7/22/1999, P009426, issued final 4/17/2006, and P0106860, issued final 9/16/2011.



2. Emissions Unit Group - 23.6 mmBtu/hr natural gas boiler: B006,B007,B008,B009,B010,

EU ID	Operations, Property and/or Equipment Description
B006	23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler; Boiler #5
B007	23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler; Boiler #4
B008	23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler; Boiler #3
B009	23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler; Boiler #2
B010	23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler; Boiler #1

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 #13-03759 issued 3/1/2001)	<p>From burning natural gas:</p> <p>2.36 lbs/hr NO_x emissions 1.98 lbs/hr CO emissions 0.13 lb/hr VOC emissions 0.01 lb/hr SO₂ emissions 0.18 lb/hr of PM/PM₁₀ emissions</p> <p>See b)(2)a. below.</p> <p>From burning No.2 fuel oil:</p> <p>3.37 lbs/hr NO_x emissions 0.84 lb/hr CO emissions 0.34 lb/hr of PM/PM₁₀ emissions</p> <p>See b)(2)b. below.</p> <p>The requirements established pursuant to this rule also include the requirements of OAC rules 3745-17-07(A), 3745-31-05(D)(1)(a), and 40 CFR Part 60, Subpart Dc.</p>



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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
c.	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb per mmBtu of actual heat input.
d.	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc.
e.	OAC rule 3745-31-05(D)(1)(a) Synthetic Minor to avoid PSD	When firing natural gas: 21.3 TPY NO _x as a 12-month rolling summation. When firing No. 2 fuel oil: 29.5 TPY SO ₂ as a 12-month rolling summation. 8.43 TPY NO _x as a 12-month rolling summation.
f.	OAC rule 3745-110-03(A)	See d)(5) below.
g.	40 CFR Part 60, Subpart Dc	Sulfur dioxide emissions shall not exceed 0.5 lb per mmBtu when burning No. 2 fuel oil.
h.	40 CFR Part 63, Subpart JJJJJJ	See b)(2)c. below.

(2) Additional Terms and Conditions

- a. When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NO_x 21.3 TPY
CO 17.9 TPY
VOC 1.17 TPY
SO₂ 0.13 TPY
PM/PM₁₀ 1.62 TPY



- b. When firing No. 2 fuel oil, the combined annual emissions resulting from the operation of units B006-B010 shall not exceed the following limits:

- NO_x 8.43 TPY
 - CO 2.11 TPY
 - SO₂ 29.5 TPY
 - PM/PM₁₀ 0.84 TPY

- c. This emissions unit is not subject to this rule while burning fuel oil during periods of gas curtailment, gas supply emergencies, or periodic testing on fuel oil. Periodic testing of the fuel oil shall not exceed 48 hours during any calendar year.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.

- [Authority for term: OAC rules 3745-77-07(A)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- (2) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in b)(1)a. above.

- [Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(A)(3) and 3745-31-05(C) and PTI #13-03759]

- (3) The combined maximum annual No. 2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 oil usage figures.

- [Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(A)(3) and 3745-31-05(C) and PTI #13-03759]

- (4) The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcf, based upon a rolling, 12-month summation of the natural gas usage rate figures.

- [Authority for term: OAC rules 3745-77-07(A)(1), 3745-31-05(A)(3) and 3745-31-05(C) and PTI #13-03759]

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas and/or No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

- [Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- (2) The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

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

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing". The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-18-04(F) and 3745-31-05(A)(3) and PTI #13-03759]

- (3) The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Cleveland DAQ.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- (4) The permittee shall maintain monthly records of the following information for emissions units B006-B010 combined:

- a. the No. 2 fuel oil usage rate for each month, in gallons;
- b. the rolling, 12-month summation of the No. 2 fuel oil usage rates;



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- c. the amount of natural gas burned for each month, in mmcf; and
- d. the rolling, 12-month summation of natural gas burned in these emissions units.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(A)(3) and 3745-31-05(C) and PTI #13-03759]

- (5) The permittee shall conduct annual tune-ups of emissions units B006-B010 and maintain records of the following information for each;

- a. the date of the last tune-up;
- b. the name, title and affiliation of the person who performed the tune-ups and made any adjustments; and
- c. any other information which the Ohio Environmental Protection Agency may require as a condition of approval of any permit for the boiler.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-110-03(A)]

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

[Authority for term: OAC rule 3745-15-03(A)]

- (2) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify each day when a fuel other than natural gas and/or No. 2 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 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- (3) The permittee shall notify the Cleveland DAQ in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from d)(2) above. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 45 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- (4) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month No. 2 fuel oil usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]



- (5) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the rolling, 12-month natural gas usage limitation. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- (6) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ that identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

f) Testing Requirements

- (1) Compliance with the Emissions Limitations in b)(1) and b)(2) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:

2.36 lbs/hr of NO_x emissions when burning natural gas.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98) emission factor for NO_x (100 lbs NO_x/mmcf).

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

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

- b. Emission Limitation:

21.3 TPY of NO_x emissions when burning natural gas (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for NO_x (100 lbs NO_x/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]



c. Emission Limitation:

1.98 lbs/hr of CO emissions when burning natural gas.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98) emission factor for CO (84 lbs CO/mmcf).

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

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

d. Emission Limitation:

17.9 TPY of CO emissions when burning natural gas (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for C) (84 lbs CO/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

e. Emission Limitation:

0.13 lb/hr of VOC emissions when burning natural gas.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit 0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98) emission factor for VOC (5.5 lbs VOC/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A.



[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

f. Emission Limitation:

1.17 TPY of VOC emissions when burning natural gas (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor 1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

g. Emission Limitation:

0.01 lb/hr SO₂ emissions when burning natural gas.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) and the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98) emission factor for SO₂ (0.6 lb SO₂/mmcf).

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

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

h. Emission Limitation:

0.13 TPY of SO₂ emissions when burning natural gas (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for SO₂ (0.6 lb SO₂/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]



i. Emission Limitation:

0.18 lb/hr of PM/PM₁₀ emissions when burning natural gas.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcf/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98) emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/mmcf).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and 202.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

j. Emission Limitation:

1.62 TPY of PM/PM₁₀ emissions when burning natural gas (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the AP-42 emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/mmcf) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

k. Emission Limitation:

3.37 lbs/hr of NO_x emissions when burning No. 2 fuel oil.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98) emission factor for NO_x (20 lbs/1000 gals).

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



[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

i. Emission Limitation:

8.43 TPY of NO_x emissions when burning No. 2 fuel oil (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No. 2 fuel oil usage restriction for emissions units B006-B010 (845,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

m. Emission Limitation:

0.84 lb/hr of CO emissions when burning No. 2 fuel oil.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gals/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98) for CO (5 lbs/1000 gals).

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

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

n. Emission Limitation:

2.11 TPY of CO emissions when burning No. 2 fuel oil (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No. 2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]



o. Emission Limitation:

0.34 lb/hr of PM/PM₁₀ emissions when burning No. 2 fuel oil.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98) for PM/PM₁₀ (2 lbs/1000 gal).

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

p. Emission Limitation:

0.84 TPY of PM/PM₁₀ emissions when burning No. 2 fuel oil (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the above AP-42 emission factor by the combined annual No. 2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

q. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U.S. EPA Reference Method 9 when burning No. 2 fuel oil.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-17-03(B)(1) and 3745-31-05(A)(3) and PTI #13-03759]

r. Emission Limitation:

Particulate emissions shall not exceed 0.020 lb per mmBtu of actual heat input.



Applicable Compliance Method:

For the use of natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (91,000 cu ft/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emissions Factors, Section 1.4, Table 1.4-2 (7/98) emission factor for PM/PM₁₀ (1.9 lbs/mmcf) and dividing by the maximum hourly heat input capacity of the emissions unit (91 mmBtu/hr).

For the use of No. 2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (480 gal/hr) by the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1 (9/98) emission factor for PM/PM₁₀ (2 lbs/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (91 mmBtu/hr).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-17-03(B)(10)]

s. Emission Limitation:

0.5 lb/mmBtu of SO₂ emissions when burning No. 2 fuel oil.

Applicable Compliance Method:

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received or each daily sample collected during a calendar month meets the limitation.

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 6.

[Authority for term: OAC rules 3745-77-07(C)(1), 3745-31-05(A)(3), 3745-18-04(E), and PTI #13-03759]

t. Emission Limitation:

29.5 TPY of SO₂ emissions when burning No. 2 fuel oil (combined for B006-B010).

Applicable Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the 0.5 lb/mmBtu of SO₂ emission limitation by the heat content of No. 2 fuel oil (0.14 mmBtu/gal) and the combined annual No. 2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No. 2 fuel oil usage limitation.



[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

u. Emission Limitation:

From burning natural gas, 21.3 TPY NO_x as 12-month rolling summation.

Applicable Compliance Method:

Compliance with the above limitation shall be based on the record keeping requirement in d)(4) of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98) emission factor for NO_x (100 lbs NO_x/mmcf) by the rolling 12-month summation of the natural gas usage rates for emissions units B006-B010 combined (mmcf) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

v. Emission Limitation:

From burning No. 2 fuel oil, 29.5 TPY SO₂ as a 12-month rolling summation.

Applicable Compliance Method:

Compliance with the above limitation shall be based on the record keeping requirement in d)(4) of this permit and determined by multiplying the lb/mmBtu emission limitation for SO₂ (as demonstrated through the applicable compliance method outlined in f)(1)r.) by the heat content of No. 2 fuel oil (0.14 mmBtu/gal) and the rolling, 12-month summation of the No. 2 fuel oil usage rates for emissions units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

Therefore, compliance with the TPY emission limitation shall be assumed provided compliance is shown with the lb/mmBtu emission limitation and the rolling, 12-month No. 2 fuel oil usage limitation.

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

w. Emission Limitation:

From burning No. 2 fuel oil, 8.43 TPY NO_x as a 12-month rolling summation.

Applicable Compliance Method:

Compliance with the above limitation shall be based on the record keeping requirement in d)(4) of this permit and determined by multiplying the U.S. EPA reference document AP-42, 5th edition, Compilation of Air Pollution Emission



Preliminary Proposed Title V Permit

MetroHealth Medical Center

Permit Number: P0120456

Facility ID: 1318002965

Effective Date: To be entered upon final issuance

Factors, Section 1.3, Table 1.3-1 (9/98) emission factor for NO_x (20 lbs/1000 gal) by the rolling, 12-month summation of the No. 2 fuel oil usage rates for emission units B006-B010 combined (gallons) and the factor (1.0 ton/2000 lbs).

[Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3) and PTI #13-03759]

g) **Miscellaneous Requirements**

- (1) Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the monitoring and record keeping, reporting and testing requirements contained in this Title V permit are as stringent as or more stringent than the monitoring and record keeping, reporting and testing requirements contained in Permit to Install 13-03759. The monitoring and record keeping, reporting and testing requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping, reporting and testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping, reporting and testing requirements in the Permit to Install.
- (2) Superseded permits include P0094426, issued 4/17/2006, and P0106860, issued 9/16/2011.