State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

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MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

2/23/2009

Certified Mail
Facility ID: 0370010004
Permit Number: P0087501
County: Richland

Barry Mishey
MedCentral Health System
335 Glessner Avenue
Mansfield, OH 44903

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

Dear Permit Holder:

Enclosed is the 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.

The issuance of this Title V permit is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of $70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

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. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Ohio EPA DAPC, Northwest District Office

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Title V Permit to Control Air Pollution
OAC Chapter 3745-77

MedCentral Health System

Facility ID: 0370010004
Permit Number: P0087501
Permit Type: Renewal
Issued: 2/23/2009
Effective: 3/16/2009
Expiration: 3/16/2014

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Title V Permit to Control Air Pollution
OAC Chapter 3745-77
MedCentral Health System

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Authorization

Facility ID: 0370010004
Facility Description:
Application Number(s): A0018499
Permit Number: P0087501
Permit Description: Renewal Title V Application
Permit Type: Renewal
Issue Date: 2/23/2009
Effective Date: 3/16/2009
Expiration Date: 3/16/2014
Superseded Permit Number: P0087499

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

MedCentral Health System
335 Glessner Avenue
Mansfield, OH 44903

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

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted 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 Ohio EPA DAPC, Northwest District Office. 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

Chris Korleski
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

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

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

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

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

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

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

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

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

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

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, 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 Ohio EPA DAPC, Northwest District Office.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

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

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

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

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

5. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.
(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
(Authority for term: OAC rule 3745-77-07(A)(6))

7. General Requirements

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

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

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

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

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

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

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

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

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

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee

shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.
(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

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

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

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

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

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.
(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.
(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

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

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

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

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

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

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

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

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

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the

Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

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

(2) Compliance certifications shall include the following:

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

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

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

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

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

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

14. Permit Shield

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

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

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

15. Operational Flexibility

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

soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).
(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.
(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

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

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

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

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

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

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

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

18. Compliance Method Requirements

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

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.
(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

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

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

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

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

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

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

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

24. Reporting Requirements Related to Monitoring and Record Keeping 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.

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) 3.

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirement contained in a permit-to-install or in the SIP-approved versions of OAC Chapters 3745-17, 3745-18 and 3745-21 and 40 CFR, Part 60, Subpart IIII.

   a) P001 – 1482 hp (1000 kW) distillate oil Caterpillar electrical generator (model #SR 4);

   b) P002 – 1482 hp (1000 kW) distillate oil Caterpillar electrical generator (model #SR 4);

   c) P003 – 1490 hp (1111 kW) distillate oil Cummins electrical generator (QST30-G5-NR1);

   d) P004 – 1490 hp (1111 kW) distillate oil Cummins electrical generator (QST30-G5-NR1); and

   e) P005 – 355 hp (265 kW) distillate oil Cummins electrical generator (NT-855-G).

3. The following insignificant emissions units are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

   a) Z001 – boiler room cold cleaner;

   b) Z002 – truck traffic (non passenger vehicle traffic);

   c) Z003 – paint shop;

   d) Z004 – carpenter shop;

   e) Z005 – radiology lab;

   f) Z006 – ethylene oxide sterilizer;

   g) Z007 – pharmacy lab hoods;

   h) Z008 – CVPS laboratory hoods;

   i) Z009 – satellite pharmacy hoods;

   j) Z010 – microbiology fume hood;

   k) Z017 – print shop;

   l) Z018 – 10,000 gallon fuel oil storage tank;

   m) Z019 – 20,000 gallon fuel oil storage tank; and

   n) Z021 – 8000 gallon diesel fuel storage tank.

4. The following emissions units contained in this permit are subject to 40 CFR, Part 60, Subpart IIII: P001, P002, P003, P004 and P005. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the Internet from the Electronic Code of Federal Regulations (e-CFR) website http://www.ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

C. Emissions Unit Terms and Conditions

1. B001, 25.5 MMBTU/hr gas/oil fired boiler

Operations, Property and/or Equipment Description:

Natural gas/oil-fired backup 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 operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	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)	0.020 lb PE/mmBtu of actual heat input
c.	OAC rule 3745-18-06(D)	1.6 lbs sulfur dioxide (SO_2)/mmBtu of actual heat input

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

[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 of 1.6 lbs SO_2/mmBtu of actual heat input.

[OAC rule 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 no. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in 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.

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 D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports 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.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide emission limitation contained in this permit, based upon the sulfur dioxide emission rates calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. Emission Limitation: Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation: 0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method: When firing natural gas, the permittee may determine compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (25.5 mmBtu/hr).

When firing no. 2 fuel oil, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (25.5 mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 1.6 lbs SO_2/mmBtu of actual heat input

Applicable Compliance Method: When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, compliance with the limitation above shall be determined in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

2. B002, 25.5 MMBTU/hr gas/oil fired boiler

Operations, Property and/or Equipment Description:

Natural gas/oil-fired backup boiler (Boiler #2)

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	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)	0.020 lb PE/mmBtu of actual heat input
c.	OAC rule 3745-18-06(D)	1.6 lbs sulfur dioxide (SO_2)/mmBtu of actual heat input

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

[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 of 1.6 lbs SO_2/mmBtu of actual heat input.

[OAC rule 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 #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in 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.

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 D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide emission limitation contained in this permit, based upon the sulfur dioxide emission rates calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. Emission Limitation: Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

b. Emission Limitation: 0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method: When firing natural gas, the permittee may determine compliance with this limitation by multiplying the maximum hourly

natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (25.5 mmBtu/hr).

When firing #2 fuel oil, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (25.5 mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

c. Emission Limitation: 1.6 lbs SO_2/mmBtu of actual heat input

Applicable Compliance Method: When firing #2 fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, compliance with the limitation above shall be determined in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements.

(1) None.

3. B003, 25.6 MMBTU/hour gas/oil fired boiler

Operations, Property and/or Equipment Description:

Natural gas/oil-fired backup boiler (Boiler #3)

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	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)	0.020 lb of PE/mmBtu of actual heat input
c.	OAC rule 3745-18-06(D)	See b)(2)a.
d.	OAC rules 3745-21-08(B)	See b)(2)b.
e.	OAC rule 3745-31-05 (PTI #03-2788, issued 10/22/86)	0.94 ton of PE/yr 0.24 lb sulfur dioxide (SO_2)/mmBtu 9.4 tons SO_2/yr See c)(3) The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B) and 3745-21-08(B).

(2) Additional Terms and Conditions

a. The SO_2 emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05.

b. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 in Permit to Install #03-2788.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revisions occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

(1) The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

[OAC rule 3745-77-07(A)(1)]

(2) The quality of oil burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.24 lb/mmBtu of actual heat input.

[OAC rule 3745-77-07(A)(1)]

(3) The oil burned in this emissions unit shall not exceed a sulfur content of 0.2%.

[OAC rule 3745-77-07(A)(1) and PTI #03-2788]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1)]

(2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in 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.

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 D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

[OAC rule 3745-77-07(C)(1)]

(3) The permittee shall record and maintain each month the following information for this emissions unit:

a. the total quantity of #2 fuel oil burned, in gallons;

b. the total quantity of natural gas burned, in cubic feet;

c. the total PE rate, in tons, calculated as follows:

i. the monthly PE resulting from the combustion of oil:

Eo = efo x to x 1 ton/2000 lbs

where:

Eo = PE, in tons per month

efo = an emission factor of 2.0 lbs of PE/1000 gallons of #2 fuel oil, based on AP-42 section 1.3-12, revised 9/98, Table 1.3-1

to = total amount of #2 fuel oil combusted (gallons/month)

ii. the monthly PE resulting from the combustion of natural gas:

Eg = efg x tg x 1 ton/2000 lbs

where:

Eg = PE, in tons per month

efg = an emission factor of 1.9 lbs of PE (filterable)/mmcu.ft., based upon AP-42, section 1.4-6, Table 1.4-2, revised 7/98

tg = total amount of natural gas combusted (mmcu.ft./month)

iii. the total PE [d)(3)c.i. + d)(3)c.ii.], in tons.

d. the total SO_2 emission rate, in tons, calculated as follows:

i. the monthly SO_2 emissions resulting from the combustion of oil:

Eso = efso x tso x 1 ton/2000 lbs

where:

Eso = SO_2 emissions, in tons per month

efso = an emission factor of 142 lbs of SO_2/1000 gallons of no. 2 fuel oil, based on AP-42 section 1.3-12, 9/98, Table 1.3-1, where S is the weight % sulfur in the oil

tso = total amount of oil combusted during the month (gallons/month)

ii. the monthly SO_2 emissions resulting from the combustion of natural gas:

Esn = efsn x tsn x 1 ton/2000 lbs.

where:

Esn = SO_2 emissions, in tons per month

efsn = an emission factor of 0.6 lb of SO_2/mmcu.ft., based on AP-42 section 1.4-6, revised 7/98, Table 1.4-2

tsn = total amount of natural gas combusted (mmcu.ft/month)

iii. the total SO_2 emissions [d)(3)d.i. + d)(3)d.ii.], in tons.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or #2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide emission limitation contained in this permit, based upon the sulfur dioxide emission rates calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

(3) The permittee shall submit annual reports that summarize the actual annual PE and SO2 emissions for this emissions unit. The reports shall cover the previous calendar year and shall be submitted by January 31 of each year.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. Emission Limitation: Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

b. Emission Limitation: 0.020 lb PE/mmBtu of actual heat input

Applicable Compliance Method: When firing natural gas, the permittee may determine compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42,

Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filterable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (25.6 mmBtu/hr).

When firing #2 fuel oil, the permittee may determine compliance by multiplying the maximum hourly fuel oil consumption rate (gallons/hr) by the emission factor from AP-42, Table 1.3-1 (revised 9/98) of 2.0 lbs PE (filterable)/1000 gallons of oil used, and then dividing by the maximum heat input capacity of the boiler (25.6 mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

c. Emission Limitation: 0.94 ton of PE/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the emission limitation through the record keeping requirements in section d)(3) of this permit and shall be the summation of the 12 monthly PE rates for the calendar year.

d. Emission Limitation: 0.24 lb SO_2/mmBtu of actual heat input

Applicable Compliance Method: When firing #2 fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, compliance with the limitation above shall be determined in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

e. Emission Limitation: 9.4 tons of SO_2/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the emission limitation through the record keeping requirements in section d)(3) of this permit and shall be the summation of the 12 monthly SO_2 emission rates for the calendar year.

g) Miscellaneous Requirements

(1) None.

4. N004, Infectious Waste Incinerator

Operations, Property and/or Equipment Description:

Medical Incinerator

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	40 CFR, Part 62, Subpart HHH	See b)(2)a.
b.	40 CFR, Part 60, Subpart Ce	See b(2)b.
c.	OAC rule 3745-75-02	The emissions from the large hospital/medical/infectious waste incinerator=s (HMIWI) exhaust stack shall not exceed the following limitations. The pollutant concentrations shall be computed as 3-hour rolling averages (not including startup and shutdown) for the pollutants not monitored with continuous emissions monitoring (CEM) systems: 34 milligrams (mg) particulate emissions (PE)/dry standard cubic meter (dscm) [0.015 grains PE/dry standard cubic foot (dscf)] adjusted to 7% O_2 for PE; 100 parts per million (ppm) hydrogen chloride (HCl) by volume on a dry basis adjusted to 7% O_2 or a demonstration of a minimum of 93% control efficiency of HCl by concentration; 100 ppm carbon monoxide (CO) by volume on a dry basis adjusted to 7% O_2 as an hourly average; and 40 ppm CO by volume on a dry basis adjusted to 7% O_2 as a 12-hour rolling average where measured by the CEM; and 40 ppm CO by volume on a dry basis adjusted to 7%

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		O_2 as a 3-hour rolling average as measured by Method 10 or 10B of Appendix A of 40 CFR Part 60; 55 ppm sulfur dioxide (SO_2) by volume on a dry basis adjusted to 7% O_2; 250 ppm nitrogen oxides (NOx) by volume on a dry basis adjusted to 7% O_2; 125 nanograms (ng) dioxins-furans/dscm (55 grains dioxins-furans/billion dscf) as total mass on a dry basis and adjusted to 7% O_2 or 2.3 ng dioxins-furans/dscm (1.0 grain dioxins-furans/billion dscf) expressed as a toxic equivalent; 0.21 mg As/dscm for arsenic (As) and arsenic compounds, as arsenic; 0.026 mg Be/dscm for beryllium (Be) and beryllium compounds, as beryllium; 0.16 mg Cd/dscm for cadmium (Cd) and cadmium compounds, as cadmium; 0.075 mg Cr/dscm for chromium (Cr) and chromium compounds, as chromium; 1.2 mg Pb/dscm for lead (Pb) and lead compounds, as lead; 0.55 mg Hg/dscm for mercury (Hg) and mercury compounds, as mercury; 0.65 mg Ni/dscm for nickel (Ni) and nickel compounds, as nickel; and Visible particulate emissions shall not exceed 5% opacity except for 6 minutes in any continuous 60 minute period during which opacity shall not exceed 10%. See b)(2)c.
d.	OAC rule 3745-31-05 (PTI #03-6870, issued 4/14/93)	0.72 lb PE/hr and 3.15 tons PE/yr 4.0 lbs/hr and 17.52 tons/yr of HCl and compounds 0.068 lb/hr and 0.30 ton/yr of Pb and

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		compounds 0.010 lb/hr and 0.044 ton/yr of Cd and compounds 0.011 lb/hr and 0.048 ton/yr of Hg and compounds 0.0042 lb/hr and 0.018 ton/yr of As and compounds 0.0013 lb/hr and 0.0056 ton/yr of Be and compounds 0.0015 lb/hr and 0.0066 ton/yr of Cr and compounds 0.0076 lb/hr and 0.033 ton/yr of Ni and compounds The CO emission limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-75-02. The requirements of this rule also include compliance with the requirements of OAC rule 3745-75-02.
e.	OAC rule 3745-17-07(A)	See b)(2)b.
f.	OAC rule 3745-17-09(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. This emission unit is not subject to this rule pursuant to 40 CFR, Part 62.14400(a) because the State of Ohio has an EPA-approved and effective State plan. The approved State plan became effective as of August 6, 2007. The approved State plan can be found in 40 CFR, Part 62.8880.

b. The emission limitations specified by this rule are equal to or less stringent than the limitations established pursuant to OAC rule 3745-75-02.

c. The emission limitations established pursuant to OAC 3745-75-02 shall apply at all times except during periods of startup, shutdown, or malfunction, provided that no hospital waste or medical/infectious waste is charged to the HMIWI during periods of startup, shutdown, or malfunction.

d. The HMIWI shall be operated only by properly trained personnel. A minimum of 24 hours of incinerator operation training shall be provided to each operator

before he or she is allowed to operate the HMIWI. An annual review or refresher course of at least 4 hours must be conducted annually in order to maintain their qualifications to operate the HMIWI.

e. The maximum HMIWI charge rate shall not exceed 110% of the lowest 3-hour average charge rate measured during the most recent performance test demonstrating compliance with all of the emission limits above.

c) Operational Restrictions

(1) All infectious waste shall be incinerated in a controlled air, multi-chamber incinerator, or equivalent technology as approved by the Director, which provides complete combustion of the waste, excluding the metallic content, to carbonized or mineralized ash. Any ash that does not meet this criterion shall be reincinerated.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(A)]

(2) The secondary combustion chamber of the HMIWI shall allow for a two-second retention time at the minimum secondary chamber temperature determined to maintain compliance (above), i.e., an exiting gas temperature no less than 90%, on the absolute scale, of the highest 3-hour average secondary chamber temperature measured during the most recent performance test demonstrating compliance (for PE, CO, and dioxins/furans), but not less than 1,400E Fahrenheit.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(D)]

(3) The stack from the HMIWI shall be designed to minimize the impact of the emissions on employees, residents, patients, visitors, and nearby residences. The design shall meet good engineering practices so as not to cause excessive concentrations of any air contaminant at any air intake for heating and cooling of any building or at operable windows or doors.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(G)]

(4) The HMIWI shall be equipped with a mechanical feeder which prevents exposure of personnel to any hazard which may result from charging of hospital/medical/infectious wastes into a preheated primary chamber; and the mechanically-fed HMIWI shall be equipped with an air lock system to prevent opening the incinerator to the room environment. The volume of the loading system shall be designed so as to prevent the overcharging of the unit to ensure complete combustion of the waste.

[OAC rule 3745-77-07(A)(1), OAC rule 3745-75-03(V) and OAC rule 3745-75-03(H)]

(5) The HMIWI, including all associated equipment and waste storage areas, shall be designed, operated, and maintained to prevent the emission of objectionable odors.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(K)]

(6) The permittee shall not intentionally dispose of the following items by charging and burning them in the HMIWI:

a. visible globules of mercury;

b. nickel-cadmium batteries;

c. switches, thermometers, batteries, and other devices containing mercury; and

d. bags or other containers for infectious waste handling which contain cadmium, chromium, or lead as a pigmenting agent.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(M)]

(7) The HMIWI, having a capacity greater than 400 pounds per hour, shall be equipped with an automatic feeder which is designed and operated so that wastes cannot be charged if the temperature of the gas exiting the secondary combustion chamber has not reached the minimum temperature of 90%, on the absolute scale, of the highest 3-hour average secondary chamber temperature measured during the most recent compliant performance test or 1,600 EF, whichever is greater.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(E)]

(8) The HMIWI, having a capacity greater than 400 pounds per hour, shall be equipped with an air pollution control device designed to reduce hydrogen chloride emissions and provide for continuous compliance with the hydrogen chloride emission limits when the HMIWI is in operation.

[OAC rule 3745-77-07(A)(1) and OAC rule 3745-75-03(J)]

(9) The maximum HMIWI charge rate established during the initial performance test and/or reestablished during a subsequent compliant stack test shall be monitored and maintained as required in this permit in order to demonstrate continuous compliance with emission limitations from OAC rule 3745-75-02(A) through (K). Operating the HMIWI above the established maximum charge rate shall constitute a violation of established operating parameters.

[OAC rule 3745-77-07(A)(1), OAC rule 3745-75-03(I), 40 CFR 60.56c(d) per 40 CFR 60.37e(a) and 40 CFR 62.14455(a)]

(10) The maximum fabric filter inlet temperature established during the initial performance test and/or reestablished during a subsequent compliant stack test shall be monitored and maintained as required in this permit in order to demonstrate continuous compliance with emission limitations from OAC rule 3745-75-02(A) through (K). Operating the HMIWI=s fabric filter above the established maximum fabric filter inlet temperature shall constitute a violation of established operating parameters.

[OAC rule 3745-77-07(A)(1), OAC rule 3745-75-03(I), 40 CFR 60.56c(d) per 40 CFR 60.37e(a) and 40 CFR 62.14455(a)]

(11) The minimum secondary chamber temperature established during the initial performance test and/or reestablished during a subsequent compliant stack test shall be monitored and maintained as required in this permit, in order to demonstrate continuous compliance with emission limitations from OAC rule 3745-75-02(A) through (K). Operating the HMIWI below the established minimum secondary chamber temperature shall constitute a violation of established operating parameters.

[OAC rule 3745-77-07(A)(1), OAC rule 3745-75-03(I), 40 CFR 60.56c(d) per 40 CFR 60.37e(a), and 40 CFR 62.14455(a)]

(12) The primary combustion chamber of the continuous-duty HMIWI shall be maintained so that the exit gas has a minimum temperature of 1,400E Fahrenheit; medical and infectious waste shall not be loaded into the primary combustion chamber of the HMIWI until the gas exiting the primary chamber has reached 1,400E Fahrenheit.

[OAC rule 3745-77-07(A)(1), OAC rule 3745-75-03(C) and OAC rule 3745-75-03(F)]

d) Monitoring and/or Recordkeeping Requirements

(1) The bypass stack shall be equipped with a device to continuously monitor and record the temperature in the bypass stack. The device shall be maintained and calibrated according to manufacturers= specifications and shall record the date, time, and duration of every use of the bypass stack.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-04(D), 40 CFR 60.57c(b) per 40 CFR 60.37e(c), and 40 CFR 62.14454(b)]

(2) The permittee shall properly install, calibrate (to manufacturers= specifications), operate, and maintain a scale (accurate to within one pound) to weigh all of the material charged to the HMIWI. All materials shall be weighed before incineration and a written log shall be maintained to record the amount of material charged to the HMIWI on a pounds per hour or pounds per batch basis.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-04(E), (H), and (K); 40 CFR 60.58c(b)(2)(iii) per 40 CFR 60.38e(a); 40 CFR 60.57c(a) and 40 CFR Part 60, Subpart Ec, Table 3 per 40 CFR 60.37e(c)]

(3) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit semiannual reports for the HMIWI containing the information specified below:

a. the values for the site-specific operating parameters established during the most recent performance test demonstrating the HMIWI was in compliance;

b. the highest maximum operating parameters for the material charge rate and fabric filter inlet temperature; and the lowest minimum operating parameters for the HMIWI secondary chamber temperature and the HCl, Hg, and dioxin/furan sorbent flow rate of the dry scrubber recorded for the 6-month period being reported;

c. the highest maximum operating parameters for the material charge rate and fabric filter inlet temperature; and the lowest minimum operating parameters for the HMIWI secondary chamber temperature and the HCl, Hg, and dioxin/furan sorbent flow rate of the dry scrubber recorded during the preceding three semiannual reporting periods, in order to provide the Director (or his/her representative) with a summary of the performance of the HMIWI over a 2-year period;

d. the identification of calendar days during the preceding 6-month reporting period during which required data on emission rates or the operating parameters were not obtained, to include an identification of the emission rates or operating parameters not measured, the reason(s) for not obtaining the data, and a description of the corrective action(s) taken to prevent a recurrence;

e. the identification of calendar days during the preceding 6-month reporting period for which there was a malfunction of the HMIWI or its control equipment, a description of the malfunction, the time and duration of the malfunction, and the corrective action(s) taken to correct it;

f. the identification of calendar days during the preceding 6-month reporting period for which any emission rate or operating parameter exceeded the applicable limits, with a description of the exceedances, reasons for such exceedances, and a description of the corrective action(s) taken;

g. the identification of any recorded exceedances of the emission rate(s) (CEM) or opacity (COM), if applicable, and the operating parameter(s) from the preceding three semiannual reporting periods, in order to provide the Director (or his/her representative) with a summary of the performance of the HMIWI over a 2-year period;

h. if a performance test was conducted during the reporting period, the results of that test;

i. if no exceedances of the emission limits or the operating parameters or no malfunctions of the HMIWI or control equipment were recorded for the semiannual reporting period, a statement that no exceedances occurred during the reporting period;

j. the date, time, and duration of any use of the bypass stack; the reason for the malfunction, and the corrective action(s) taken; and

k. any activation of the radioactivity alarm, the reason for the alarm, and the corrective action(s) taken.

The semiannual reports shall be submitted no more than 6 months following the previous report and all reports shall be signed by the facility manager.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-05(A), 40 CFR 60.58c(d) per 40 CFR 60.38e(a) and 40 CFR 62.14463 through 14465]

(2) The permittee shall submit quarterly deviation (excursion) reports identifying the following information:

a. the identification of calendar days during which required data on emission rates or the operating parameters were not obtained, to include an identification of the emission rate(s) or operating parameter(s) not measured, the reason(s) for not obtaining the data, and a description of the corrective action(s) taken to prevent a recurrence;

b. the identification of calendar days during which there was a malfunction of the HMIWI or its control equipment, a description of the malfunction, the time and duration of the malfunction, the corrective action(s) taken, and any measure(s) implemented to prevent a recurrence; and

c. the identification of calendar days during which any emission rate or operating parameter exceeded the applicable limits, with a description of the exceedance(s), reason(s) for such exceedance(s), a description of the corrective action(s) taken, and any measure(s) implemented to prevent a recurrence.

These reports shall be submitted by February 1, May 1, August 1, and November 1 of each year and shall cover the data obtained during the previous calendar quarters.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-05(B)] and 40 CFR 60.58c(e) per 40 CFR 60.38e(a)]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) The initial performance test has demonstrated compliance with the limits for As, Be, Cd, Cr, Pb, Hg, and Ni; and the appropriate parameters have been established as required by rule during the test Methods for the appropriate pollutant(s) as required in the Additional Terms and Conditions of this permit. The permittee shall conduct annual performance testing (no more than 12 months following the previous performance test) for the HMIWI to demonstrate compliance with the PE, CO, HCl emission limits and the opacity limit using the appropriate test methods and procedures below. Following 3 consecutive years of compliant stack testing results for PE, CO, and/or HCl, performance testing may be conducted every third year, or no more than 36 months after the previous performance test, as long as compliant testing results are maintained. Testing shall revert to annual for at least another 3 consecutive years, following a performance test showing noncompliance with the emissions limitations for PE, HCl, or

CO for the noncompliant pollutant(s). If all performance tests for the subject pollutant meet the emission limit in for another three consecutive years, testing can again revert to every third year, i.e, no more than 36 months after the last performance test. An annual performance test (no more than 12 months following the previous compliance test) shall be conducted for opacity regardless of the compliant results from previous years. Compliance with the emission limitations contained in this permit shall be determined in accordance with the following methods:

a. Emission testing shall be conducted to demonstrate compliance with the emission limits for PE, HCl, and CO and visible particulate emissions (stack opacity) using the test methods specified below:

Method 1 of 40 CFR Part 60, Appendix A to select the sampling ports locations and number of traverse points;

Method 3, 3A, or 3B of 40 CFR Part 60, Appendix A for gas composition analysis, including measurement of oxygen concentration (the permittee shall use EPA Reference Method 3, 3A, or 3B of 40 CFR part 60, Appendix A simultaneously with each reference method);

The pollutant concentrations shall be adjusted to 7% oxygen using the following equation:

$C_{adj} = C_{meas}$ (20.9 ! 7) / (20.9 ! $\%O_2$)

where:

C_{adj} = pollutant concentration adjusted to 7% oxygen;

C_{meas} = pollutant concentration measured on a dry basis;

20.9 = oxygen concentration in air, percent; and

$\%O_2$ = oxygen concentration measured on a dry basis, percent.

Method 5 or 29 of 40 CFR Part 60, Appendix A to measure particulate emissions;

Method 9 of 40 CFR Part 60, Appendix A to measure stack opacity; or where compliance with the opacity limitation is met by using a COM, data shall be reduced to 6-minute averages over the duration of the mass emission performance test;

Method 10 or 10B of 40 CFR Part 60, Appendix A to measure carbon monoxide (CO) emissions; or if using CEMs to demonstrate compliance, the 12-hour rolling average CO emissions shall be calculated each hour as the average emissions from the previous 12 hours of operation;

Method 26 of 40 CFR Part 60, Appendix A to measure HCl emissions. If the percentage reduction standards for HCl has been selected as the compliance method, the percentage reduction in HCl emissions ($\%R_{HCl}$) shall be calculated using the following formula:

$\%R_{HCl} = [(E_i - E_o) / E_i] \times 100$

where:

$\%R_{HCl}$ = percentage reduction of HCl emissions achieved;

E_i = HCl emission concentration measured at the control device inlet, corrected to 7% oxygen (dry basis); and

E_o = HCl emission concentration measured at the control device outlet, corrected to 7% oxygen (dry basis);

b. The Director or his/her representative may request a performance test or repeat performance test at any time, if in his/her judgment there may be a violation of any applicable emission standard or if there has been a change in the operation of the HMIWI that may cause an increase in emissions due to a change in waste streams, infectious waste generators, or other operating conditions. Therefore, following the initial compliance demonstration and if required by the Director, the permittee shall also conduct performance testing of the HMIWI for SO_2, NOx, dioxins/furans, As, Be, Cd, Cr, Pb, Hg, and/or Ni in order to demonstrate compliance with the limitations contained in this permit. The following applicable method(s) shall be used if it is determined a compliance demonstration is required for one or more of these pollutants:

Method 6 of 40 CFR Part 60, Appendix A to measure SO_2 emissions

Method 7 of 40 CFR Part 60, Appendix A to measure NOx emissions

Method 23 of 40 CFR Part 60, Appendix A to measure total dioxin/furan emissions. The minimum sample time shall be 4 hours per test run. If the permittee selects the toxic equivalency standards for dioxins/furans to demonstrate compliance, the following procedures shall be used:

i. the concentration of each dioxin/furan tetra- through octa-congener emitted shall be measured using EPA Reference Method 23.

ii. multiply each dioxin/furan tetra- through octa-congener concentration measured by its corresponding toxic equivalency factor specified in Table 2 of 40 CFR part 60 Subpart Ec; and

iii. sum the products calculated above to obtain the total concentration of dioxins/furans emitted in terms of toxic equivalency;

Method 29 of 40 CFR Part 60, Appendix A to measure Pb, Cd, and Hg emissions. If the percentage reduction standards for metals has been selected as the compliance method, the percentage reduction in emissions ($\%R_{metal}$) shall be calculated using the following formula:

$$\%R_{metal} = [(E_i - E_o) / E_i] \times 100$$

where:

$\%R_{metal}$= percentage reduction of metal emission (Pb, Cd, or Hg) achieved;

E_i = metal emission concentration (Pb, Cd, or Hg) measured at the control device inlet, corrected to 7% oxygen (dry basis); and

E_o = metal emission concentration (Pb, Cd, or Hg) measured at the control device outlet, corrected to 7% oxygen (dry basis).

c. Sampling sites shall be located at the outlet of the control equipment and prior to any releases to the atmosphere.

d. Each performance test shall consist of three separate runs using the applicable test method specified above. Each run shall last at least one hour and shall be conducted under the conditions specified in the methods. The arithmetic mean of the results of the three runs shall be used for the purpose of determining compliance with the limitations in this permit. The appropriate Ohio EPA, District Office or local air agency may request a repeat performance test at any time;

e. The test(s) shall be conducted at the maximum charge rate, unless otherwise specified or approved by the Ohio EPA, while burning representative waste. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of the performance test and a malfunction during testing shall invalidate the results. The permittee shall make available to the Ohio EPA, Division of Air Pollution Control, Central Office or the appropriate District Office or local air agency, upon request, any records that may be necessary to determine the conditions of the performance tests.

f. Use of the bypass stack during a performance test will invalidate the performance test.

g. The permittee shall notify the appropriate Ohio EPA, Division of Air Pollution Control, District Office or local air agency in writing and at least 30 calendar days before a performance test is initially scheduled to begin, of plans to conduct a performance test. If a performance evaluation of a CEM or COM system is to be conducted at the same time, the Division of Air Pollution Control's Central Office shall also be notified. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the monitored 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 Division of Air Pollution Control=s refusal to accept the results of the emission test(s).

h. Personnel from the appropriate Ohio EPA, Division of Air Pollution Control, District Office, local air agency, or Central Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of HMIWI and the testing procedures provide a valid characterization of the emissions from each emissions unit and/or the performance of the control equipment.

i. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and shall be submitted to the appropriate Ohio EPA, Division of Air Pollution Control, District Office or local air agency within 30 days following completion of the test(s).

j. In the event the permittee is unable to conduct the performance test on the date specified in the notification requirement due to unforeseeable circumstances beyond control, the permittee shall notify the appropriate Ohio EPA, Division of Air Pollution Control, District Office or local air agency as soon as practicable and without delay prior to the scheduled performance test date and specify the date when the performance test is rescheduled. This notification of delay in conducting the performance test shall not relieve the permittee of legal responsibility for compliance with any other applicable provisions of this part or with any other applicable federal, State, or local requirement.

k. The permittee shall maintain performance test results and any other data needed to determine emissions from the HMIWI for a minimum of 5 years after the testing is conducted or after the data is collected. These records shall be made available for inspection by the Director of the Ohio EPA or his/her representative, upon request.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-06(F), 40 CFR 60.56c per 40 CFR 60.37e(a), and 40 CFR 62.14452]

(2) The permittee may conduct a repeat performance test within 30 days of the violation of an operating parameter limit to demonstration that the HMIWI is not in violation of the applicable emission limitation(s). The repeat performance tests shall be conducted using the identical operating parameters that indicated a violation of the emissions limits. The permittee may conduct a repeat performance test at any time in order to establish new values for the operating parameters.

[OAC rule 3745-77-07(C)(1), OAC 3745-75-02(V) and (W), 40 CFR 56c(h) and (j) per 40 CFR 60.37e(a) and 40 CFR 62.14455(h)]

(3) Compliance with the emission limitations in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation: PE shall not exceed 34 mg/dscm (0.015 grains/dscf), adjusted to 7% oxygen in the exhaust stream for the large HMIWI, 0.72 lb PE/hr and 3.15 tons PE/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term PE limitations through an annual compliance demonstration using Methods 1, 3, and 5 or 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual PE limitation was developed by multiplying the hourly PE limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

b. Emission Limitation: HCl emissions shall not exceed 100 ppm by volume, on a dry basis, adjusted to 7% oxygen or HCl emissions shall be reduced by 93%, 4.0 lbs HCl/hr and 17.52 tons HCl/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term HCl limitations through an annual compliance demonstration using Methods 1, 3, and 26 or 26A from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual HCl limitation was developed by multiplying the hourly HCl limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

c. Emission Limitation: CO emissions shall not exceed 40 ppm by volume, on a dry basis, adjusted to 7% oxygen, at the appropriate averaging period.

Applicable Compliance Method: The permittee shall demonstrate compliance with the CO limitation through an annual compliance demonstration using Methods 1, 3, and 10 or 10B from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-75-02]

d. Emission Limitation: SO_2 emissions shall not exceed 55 ppm by volume, on a dry basis, adjusted to 7% oxygen.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the SO_2 limitation through a compliance demonstration using Methods 1, 3, and 6 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-75-02]

e. Emission Limitation: NOx emissions shall not exceed 250 ppm by volume, on a dry basis, adjusted to 7% oxygen.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the NOx limitation through a compliance demonstration using Methods 1, 3, and 7 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-75-02]

f. Emission Limitation: Dioxins/furans (D/F) emissions shall not exceed 125 nanograms/dscm (55 grains/billion dscf) as total mass; or shall not exceed 2.3 nanograms/dscm (1.0 grain/billion dscf) as the D/F Toxics Equivalency Factor (TEQ).

Applicable Compliance Method: The permittee shall demonstrate compliance with the dioxins/furans limitation through the initial compliance demonstration (and subsequent testing if required) using Methods 1, 3, and 23 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-75-02]

g. Emission Limitation: As and arsenic compound emissions shall not exceed 0.21 mg/dscm, as arsenic, adjusted to 7% oxygen, 0.0042 lb Ar/hr and 0.018 ton Ar/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term As limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual As limitation was developed by multiplying the hourly As limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

h. Emission Limitation: Be and beryllium compound emissions shall not exceed 0.026 mg/dscm, as beryllium, adjusted to 7% oxygen, 0.0013 lb Be/hr and 0.0056 ton Be/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term Be limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual Be limitation was developed by multiplying the hourly Be limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

i. Emission Limitation: Cd and cadmium compound emissions shall not exceed 0.16 mg/dscm, as cadmium, adjusted to 7% oxygen.,0.010 lb Cd/hr and 0.044 ton Cd/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term Cd limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual Cd limitation was developed by multiplying the hourly Cd limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

j. Emission Limitation: Cr and chromium compound emissions shall not exceed 0.075 mg/dscm, as chromium, adjusted to 7% oxygen, 0.0015 lb Cr/hr and 0.0066 ton Cr/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term Cr limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual Cr limitation was developed by multiplying the hourly Cr limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

k. Emission Limitation: Pb and lead compound emissions shall not exceed 1.2 mg/dscm, as lead, adjusted to 7% oxygen, 0.068 lb Pb/hr and 0.30 ton Pb/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term Pb limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual Pb limitation was developed by multiplying the hourly Pb limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

l. Emission Limitation: Hg and mercury compound emissions shall not exceed 0.55 mg/dscm, as mercury, adjusted to 7% oxygen.,0.011 lb Hg/hr and 0.048 ton Hg/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term Hg limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual Hg limitation was developed by multiplying the hourly Hg limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

m. Emission Limitation: Ni and nickel compound emissions shall not exceed 0.65 mg/dscm, as nickel, adjusted to 7% oxygen, 0.0076 lb Ni/hr and 0.033 ton Ni/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the short-term Ni limitations through the initial compliance demonstration (and subsequent testing if required) using Method 29 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

The annual Ni limitation was developed by multiplying the hourly Ni limitation by 8760 and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-75-02 and PTI #03-6870]

n. Emission Limitation: Visible particulate emissions shall not exceed 5% opacity except for 6 minutes in any continuous 60 minute period during which opacity shall not exceed 10%.

Applicable Compliance Method: The permittee shall demonstrate compliance with the opacity limit through an annual compliance demonstration using Method 9 from 40 CFR Part 60, Appendix A and by maintaining the operating parameters for the HMIWI and control equipment as required in this permit.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-75-02]

g) Miscellaneous Requirements

(1) None.