



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

01/29/04

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

03-39-02-0038
Fisher Titus Hospital
Lisa Meyer
272 Benedict Avenue
Norwalk, OH 44857

Dear Lisa Meyer:

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 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 Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

If you have any questions, please contact Northwest District Office.

Sincerely,

Michael W. Ahern
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: Northwest District Office
File, DAPC PMU



State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: **01/29/04**

Effective Date: **02/19/04**

Expiration Date: **02/19/09**

This document constitutes issuance of a Title V permit for Facility ID: 03-39-02-0038 to:
Fisher Titus Hospital
272 Benedict Avenue
Norwalk, OH 44857

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

N003 (Incinerator)
Infectious Waste Incinerator

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. 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. 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, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. *State and Federally Enforceable Section*

1. **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 A.III of Part III of this Title V permit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

- i. The date, place (as defined in the permit), and time of sampling or measurements.
- ii. The date(s) analyses were performed.
- iii. The company or entity that performed the analyses.
- iv. The analytical techniques or methods used.
- v. The results of such analyses.
- vi. 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:

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

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter.

In accordance with OAC rule 3745-15-06, a malfunction 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))

- ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II 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 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 reports shall satisfy the requirements (in part) 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. OAC rule 3745-77-07(A)(3)(c) is not fully satisfied until the permittee addresses all other deviations of the federally enforceable requirements specified in the permit.

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 overrides the reporting requirements specified in this General 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 the requirements (in part) 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 General Term and Condition.

See B.6 below if no deviations occurred during the quarter.

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

- iii. **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 General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Written reports that identify all other deviations of the federally enforceable requirements contained in this permit, including the monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be

submitted 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.

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 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 General Term and Condition A.1.c.ii 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))

- iv. 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))
- v. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

2. 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 General Term and Condition A.1.c.i above.

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

3. 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))

4. 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))

5. 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))

6. 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 A.10 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.

(Authority for term: OAC rule 3745-77-07(A)(7))

7. 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))

8. 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))

9. 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 general terms and conditions shall apply to all operating scenarios authorized in this permit.

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

10. 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))

11. 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))

12. 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:
 - i. 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.
 - ii. 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.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. 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:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. 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:
 - i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. 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.
 - iii. 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))

13. 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))

14. 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))

15. 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))

16. 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. 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))

17. 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.)

18. Insignificant Activities

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

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

19. 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))

20. 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))

21. 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 by the responsible official of the date on which the emissions unit was permanently shut down. Authorization to operate the affected part or activity of the stationary source shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

If 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 monitoring, record keeping, reporting, or testing 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.

B. State Only Enforceable Section

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

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 quarterly, i.e., 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.)

2. Records Retention Requirements

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.

3. 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.

4. 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).

5. 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.

6. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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

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

- a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii;
- 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; and
- c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

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

Boiler II 53, emissions unit Z002; and
Boiler II 54, emissions unit Z003.

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

B. State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Boiler II 55, emissions unit Z004;
Boiler W1, emissions unit Z005;
Boiler W2, emissions unit Z006;
Boiler W6, emissions unit Z007;
Lab Unit A, emissions unit Z008;
Lab Unit B, emissions unit Z009;
Unit 26, emissions unit Z010;
Unit 7, emissions unit Z011;
Unit 15, emissions unit Z012;
6000-gallon storage tank, emissions unit Z013;
4000-gallon storage tank, emissions unit Z014;
155 KW generator, emissions unit Z015;
620 KW generator, emissions unit Z016; and
250 KW generator, emissions unit Z017.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Incinerator (N003)
Activity Description: Infectious Waste Incinerator

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
275 pounds/hour infectious waste incinerator, with afterburner and wet scrubber	OAC rule 3745-31-03(A)(3) PTI No. 03-6445	0.275 pound particulate emissions (PE)/hour and 1.2 tons PE/year
		0.018 ton arsenic (As)/year
		0.0024 pound beryllium (Be)/hour and 0.0105 ton Be/year
		0.0066 ton chromium (Cr)/year
		0.033 ton nickel (Ni)/year
		The requirements of this rule also include compliance with the requirements of 40 CFR, Part 62, Subpart HHH, and OAC rule 3745-75-02.
	OAC rule 3745-75-02(B)	0.10 pound PE/100 pounds waste charged
	OAC rule 3745-75-02(D)	The HCl emission limitation specified by this rule is less stringent than the HCl emission limitation established pursuant to 40 CFR, Part 62, Subpart HHH.
	OAC rule 3745-75-02(E)	The CO emission limitation specified by this rule is less stringent than the CO emission limitation established pursuant to 40 CFR, Part 62, Subpart HHH.
	OAC rule 3745-75-02(F)(1)	0.0042 pound As/hour

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	OAC rule 3745-75-02(F)(2)	The Be emission limitation specified by this rule is less stringent than the Be emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-75-02(F)(3)	0.010 pound cadmium (Cd)/hour
	OAC rule 3745-75-02(F)(4)	0.0015 pound Cr/hour
	OAC rule 3745-75-02(F)(5)	0.068 pound lead (Pb)/hour
	OAC rule 3745-75-02(F)(6)	0.011 pound mercury (Hg)/hour
	OAC rule 3745-75-02(F)(7)	0.0076 pound Ni/hour
	OAC rule 3745-75-02(G)	Visible PE shall not exceed 5 percent opacity, except for six minutes in any continuous sixty-minute period during which opacity shall not exceed ten percent.
	OAC rule 3745-17-07(A)	The visible PE specified by this rule is less stringent than the visible PE specified by OAC rule 3745-75-02.
	OAC rule 3745-17-09(B)	The PE limitation specified by this rule is as stringent as the PE limitation specified by OAC rule 3745-75-02(B).
	40 CFR Part 62, Subpart HHH	0.03 gr PE/dscf
	(Federal Plan requirements for Hospital/Medical/Infectious Waste Incinerators (HMIWI), constructed on or before June 20, 1996)	40 ppmv carbon monoxide (CO) dioxins/furans: 55 gr/billion dscf or 1.0 gr/billion dscf TEQ 100 ppmv hydrogen chloride (HCl) or 93% reduction 55 ppmv sulfur dioxide (SO ₂) 250 ppmv nitrogen oxides (NO _x) 0.52 gr Pb/mdscf or 70% reduction 0.07 gr Cd/mdscf or 65% reduction 0.24 gr Hg/mdscf or 85% reduction (all units corrected to 7% oxygen, dry basis at standard conditions)

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
	40 CFR Part 60, Subpart Ce	The emission limitations specified by 40 CFR, Part 60, Subpart Ce are equal to or less stringent than the emission limitations established pursuant to 40 CFR, Part 62, Subpart HHH.

2. Additional Terms and Conditions

2.a [40 CFR Part 62.14413]

The emission limitations established pursuant to 40 CFR Part 62, Subpart HHH 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.

II. 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 metallic items, to carbonized or mineralized ash. Any ash that does not meet this criterion shall be re-incinerated.
2. The primary combustion chamber for this incinerator shall be maintained so that the exit gas is at a minimum temperature of 1200 degrees Fahrenheit. The secondary combustion chamber for this incinerator shall be operated so that the exit gas temperature is at a minimum of 1800 degrees Fahrenheit.
3. The secondary combustion chamber of this incinerator shall allow for a 1-second retention time at 1800 degrees Fahrenheit. Auxiliary heat input capacity, excluding any waste material heating value, shall be provided to maintain independently the secondary chamber at a temperature of 1800 degrees Fahrenheit until all waste materials are completely combusted.
4. This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained to prevent the emission of objectionable odors.
5. The permittee shall not intentionally dispose of the following items by burning in the incinerator:
 - a. visible globules of mercury;
 - b. nickel-cadmium batteries; and,
 - c. switches, thermometers, batteries and other devices containing mercury.
6. The permittee shall have this incinerator inspected monthly using preventive maintenance procedures recommended by the equipment manufacturer. Each inspection shall include a written report identifying any needed repairs to the unit. If repairs are needed, the incinerator shall not be operated if the operation would result in any exceedance of the emission limits detailed in this permit. These repairs shall be completed within 30 days of the inspection. If a time period longer than 30 days is needed to complete the repairs, the appropriate Ohio EPA District Office or local air agency shall be notified in writing. This notice shall list the repairs needed and the reason(s) the repairs could not be accomplished within the required time period. All inspection and repair reports shall be kept by the permittee for a period of 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

II. Operational Restrictions (continued)

7. This incinerator shall be operated only by properly trained personnel. A minimum of 40 hours of incinerator operation training shall be provided to each operator before he or she is allowed to operate this incinerator. This may include, for each operator, the successful completion of the training course for the operation and maintenance of hospital medical waste incinerators developed by the Control Technology Center, U.S. EPA, courses or instructions provided by incinerator manufacturers, professional engineering organizations, colleges or universities, or Ohio EPA. A copy of all the training records for each operator shall be maintained on file for a period of 5 years and shall be immediately available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.
8. The permittee is required to have a fully trained and qualified HMIWI operator, either at the facility or on-call. A trained and qualified HMIWI operator is defined in 40 CFR part 62.14421-62.14423.
9. The permittee is required to have a waste management plan, as required by 40 CFR part 62.14431-62.14432.
10. This intermittent incinerator shall incorporate a lockout system which will prevent the ignition of waste until the exit gas temperature of the secondary combustion chamber reaches 1800 degrees Fahrenheit and which will prevent recharging until the combustion and burn-down cycles are complete.
11. The stack(s) for this intermittent incinerator 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.
12. If this incinerator is mechanically fed, it must 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.
13. This incinerator shall be equipped with an air pollution control system (a wet scrubber designed to reduce hydrogen chloride emissions, dioxin/furan emissions, and mercury emissions and provide for continuous compliance with the hydrogen chloride, D/F, and Hg emission limits when the emissions unit is in operation. The implementation of the control system shall be consistent with the timeline provided in 40 CFR part 62.14470(b)(2)(v).

The hourly applicable parameters required pursuant to 40 CFR, Part 62.14460 shall be maintained at or above the level established during the initial performance testing. These parameters shall include, but not be limited to, the following:

- a. The HMIWI maximum hourly charge rate, in pounds.
 - b. The liquor flow rate to the wet scrubber inlet during each minute of operation.
 - c. The horsepower or amperage to the wet scrubber during each minute of operation.
 - d. The pressure drop across the wet scrubber system during each minute of operation.
 - e. The temperature at the outlet from the wet scrubber during each minute of operation.
 - f. The pH at the inlet to the wet scrubber during each minute of operation.
 - g. The minimum secondary chamber temperature, in degrees Fahrenheit.
14. Infectious waste shall not be loaded into the primary combustion chamber of this incinerator until the exit gas temperature has reached 1200 degrees Fahrenheit.
 15. Under no circumstances shall radiological or radioactive waste be charged into this unit.

II. Operational Restrictions (continued)

16. This facility may not receive or incinerate any hazardous waste materials as defined in 40 CFR Part 216, Subpart D.
17. The permittee is required to maintain a site-specific HMIWI operating procedure, as required by 40 CFR part 62.14424, and to review this operating information annually.
18. The permittee shall maintain the air pollution control system to aid in the control of dioxin/furan, mercury, and HCl. The hourly applicable parameters required under 40 CFR part 62.14460 shall be maintained at or above the level established during the initial performance testing.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the primary combustion exhaust gas temperature, the secondary combustion exhaust gas temperature, and the bypass stack temperature (if applicable) when the incinerator is in operation. Units shall be in degrees Fahrenheit. Accuracy for each thermocouple, monitor and recorder shall be guaranteed by the manufacturer to be within 0.75 percent of the temperature being measured or 2.5 degrees Fahrenheit, whichever is greater. The temperature monitors and recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
2. Radioactive waste shall not be charged to this incinerator. The permittee shall operate and maintain equipment to continuously monitor the radioactivity of all waste prior to combustion. This monitor shall be equipped with an alarm which sounds a warning when radioactive waste is present. For purposes of this permit, radioactive waste shall be defined as any waste which measures above ambient background levels of radiation. All radioactive infectious waste shall be managed in accordance with the applicable rules of the Ohio Department of Health and the regulations of the United States Nuclear Regulatory Commission.
3. A scale (accurate to within one pound) shall be installed near this incinerator to weigh all of the material charged to the unit. A written log shall be kept to record the amount of material charged to this unit on a pounds per hour basis. Alternative arrangements may be approved by the Director provided they can be shown to be of equivalent effectiveness as a method of regulating flow into the incinerator and generating a permanent record of charging rates.
4. A logbook shall be maintained for each continuous emissions monitoring system installed on this incinerator to document all activities involving the monitoring systems. Appropriate records should include, as a minimum, preventive maintenance, quality assurance and corrective action activities. The logbook shall be kept on file for a period of 5 years and shall be made available for inspection by the Ohio EPA or its authorized representatives at any reasonable time.

III. Monitoring and/or Record Keeping Requirements (continued)

5. [40 CFR Part 62.14424(a)]

The permittee shall maintain the following records at the facility:

- a. a summary of the applicable standards under 40 CFR Part 62, Subpart HHH;
- b. a description of basic combustion theory applicable to an HMIWI;
- c. the procedures for receiving, handling, and charging waste;
- d. the procedures for startup, shutdown, and malfunction;
- e. the procedures for maintaining proper combustion air supply levels;
- f. the procedures for operating the HMIWI and associated air pollution control systems within the standards established under 40 CFR Part 62, Subpart HHH;
- g. the procedures for responding to a malfunction or conditions that may lead to malfunction;
- h. the procedures for monitoring HMIWI emissions;
- i. the reporting and record keeping procedures; and,
- j. the procedures for handling ash.

The permittee shall keep the above information in a readily accessible location for all HMIWI operators. This information, along with records of training, shall be available for inspection by the Ohio EPA or its delegated enforcement agent upon request.

6. [40 CFR Part 62.14430 and 62.14431]

The permittee shall develop a waste management plan. The waste management plan shall identify both the feasibility of, and the approach for, separating certain components of solid waste from the health care waste stream in order to reduce the amount of toxic emissions from incinerated waste. The waste management plan may address, but is not limited to, paper, cardboard, plastics, glass, battery, or metal recycling, or purchasing recycled or recyclable products. The waste management plan may include different goals or approaches for different areas or departments of the facility and need not include new waste management goals for every waste stream. The waste management plan should identify, where possible, reasonably available additional waste management measures, taking into account the effectiveness of waste management measures already in place, the costs of additional measures, the emission reductions expected to be achieved, and any other potential environmental or energy impacts they might have. In developing the waste management plan, it shall consider the American Hospital Association publication entitled "Ounce of Prevention: Waste Reduction Strategies for Health Care Facilities." This publication (AHA Catalog No. 057007) is available for purchase from the American Hospital Association (AHA) Service, Inc., Post Office Box 92683, Chicago, Illinois 60675-2683.

7. Any unit that is equipped with a bypass stack shall be equipped with a device to continuously monitor and record the temperature in the bypass stack.

III. Monitoring and/or Record Keeping Requirements (continued)

8. [40 CFR Part 62.14454(a) through (c)]

a. The permittee shall calibrate (to manufacturers' specifications), maintain, and operate devices (or establish methods) for monitoring the applicable maximum and minimum operating parameters listed section A.II.13 such that these devices (or methods) measure and record values for the operating parameters at the frequencies indicated in section A.III.13 at all times except during periods of startup and shutdown. For the charge rate, the device must measure and record the date, time, and weight of each charge fed to the HMIWI. This must be done automatically, meaning that the only intervention from an operator during the process would be to load the charge onto the weighing device. For batch HMIWI, the maximum charge rate is measured on a daily basis (the amount of waste charged to the unit each day).

b. The permittee shall calibrate (to manufacturers' specifications), maintain, and operate a device or method for measuring the use of the bypass stack, including the date, time, and duration of such use.

c. If the HMIWI uses air pollution controls other than a dry scrubber followed by a fabric filter, a wet scrubber, or a dry scrubber followed by a fabric filter and a wet scrubber to comply with the emission limits identified under 40 CFR Part 62.1441, the permittee must install, calibrate (to manufactures' specifications), maintain, and operate the equipment necessary to monitor the site specific operating parameters developed pursuant to 40 CFR Part 62.14453(b).

9. [40 CFR Part 62.14460(a) through (c)]

The permittee shall maintain records of the following information:

a. the calendar date of each record;

b. records of the following data:

i. the concentrations of any pollutant listed in Table 1 of 40 CFR Part 62, Subpart HHH (particulate matter, carbon monoxide, dioxins/furans, hydrogen chloride, sulfur dioxide, nitrogen oxides, lead, cadmium, and mercury) and/or measurements of opacity;

ii. the HMIWI charge dates, times, weights and hourly charge rates;

iii. the secondary chamber temperatures recorded during each minute of operation;

iv. the records of the annual equipment inspections, any required maintenance, and any repairs not completed within 10 operating days of an inspection or the time frame established by the EPA Administrator or delegated enforcement authority, as applicable;

v. the records indicating use of the bypass stack, including dates, times, and durations; and

vi. if you are complying by monitoring site-specific operating parameters under 40 CFR 62.14453(b), you must monitor all operating data collected.

c. identification of calendar days for which data on emission rates or operating parameters specified under paragraph (b)(i) through (b)(ix) of this section were not obtained, with an identification of the emission rates or operating parameters not measured, reasons for not obtaining the data, and a description of corrective actions taken;

III. Monitoring and/or Record Keeping Requirements (continued)

- d. the identification of calendar days, times and durations of malfunctions, and a description of the malfunction and the corrective action taken;
- e. the identification of calendar days for which data on emission rates or operating parameters specified under A.III.7(b)(i) through (b)(ix) of this permit exceeded the applicable limits, with a description of the exceedances, reasons for such exceedances, and a description of corrective actions taken;
- f. the results of the initial, annual, and any subsequent performance tests conducted to determine compliance with the emission limits and/or to establish operating parameters, as applicable;
- g. the records showing the names of HMIWI operators who have completed review of the documentation in 40 CFR Part 62.14424 as required by 40 CFR Part 62.14425, including the date of the initial review and all subsequent annual reviews;
- h. the records showing the names of the HMIWI operators who have completed the operator training requirements, including documentation of training and the dates of the training;
- i. the records showing the names of the HMIWI operators who have met the criteria for qualification under 40 CFR Part 62.14423 and the dates of their qualification; and
- j. the records of calibration of any monitoring devices as required under 40 CFR Part 62.14454.

10. [40 CFR Part 62.14461]

The permittee must maintain the records specified in section A.III.9 for a period of at least 5 years.

11. [40 CFR Part 62.14462]

The permittee must maintain all records specified in section A.III.9 on site in either paper copy or computer-readable format, unless an alternative format is approved by the Director.

12. The permittee shall identify each calendar day for which data on emission rates or operating parameters specified above in this section were not obtained, with an identification of the emission rates or operating parameters not measured, reasons for not obtaining the data, and a description of corrective actions taken.

13. 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.

IV. Reporting Requirements

1. [OAC rule 3745-75-05(C)]

On a quarterly basis, reports shall be submitted to the Northwest District Office of the Ohio EPA documenting all instances of values in excess of the limitations specified in OAC rule 3745-75-02. These quarterly 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.

IV. Reporting Requirements (continued)

2. [40 CFR Part 62.14463(a) through (k)]
The permittee must report the following to the Northwest District Office of the Ohio EPA:
- a. the initial performance test data as recorded under 40 CFR Part 62.14450(a) or 40 CFR Part 62.14451(a) (whichever applies);
 - b. the values for the site-specific operating parameters established pursuant to 40 CFR Part 62.14453, as applicable;
 - c. the waste management plan as specified in 40 CFR Part 62.14431;
 - d. the highest maximum operating parameter and the lowest minimum operating parameter for each operating parameter recorded for the calendar year being reported, pursuant to 40 CFR Part 62.14453, as applicable;
 - e. the highest maximum operating parameter and the lowest minimum operating parameter, as applicable, for each operating parameter recorded pursuant to 40 CFR Part 62.14453 for the calendar year preceding the year being reported, in order to provide a summary of the performance of the HMIWI over a 2-year period;
 - f. any information recorded under 40 CFR Part 62.14460(c) through (e) for the calendar year being reported;
 - g. any information recorded under 40 CFR Part 62.14460(c) through (e) for the calendar year preceding the year being reported, in order to provide a summary of the performance of the HMIWI over a 2-year period;
 - h. the results of each performance test conducted during the reporting period;
 - i. if no exceedances or malfunctions occurred during the calendar year being reported, a statement that no exceedances occurred during the reporting period;
 - j. any use of the bypass stack, duration of such use, reason for malfunction, and corrective action taken; and
 - k. records of the annual equipment inspections, any required maintenance, and any repairs not completed within 10 days of an inspection or the time frame established by the EPA Administrator (or delegated enforcement authority).

[40 CFR Part 62.14464(a) and 62.14432]

The information specified in 40 CFR Part 62.14463(a) through (c) must be submitted no later than 60 days following the initial performance test.

3. [40 CFR Part 62.14464(b)]
A annual report must be submitted to the Northwest District Office of the Ohio EPA no more than 1 year following the submission of the information in section A.IV.2 of this section and subsequent reports no more than 1 year following the previous report (once the unit is subject to permitting requirements under title V of the Clean Air Act, you must submit these reports semiannually). The annual report must include the information specified in section A.IV.2, as applicable.
4. [40 CFR Part 62.14464(c)]
Semiannual reports containing any information recorded under 40 CFR Part 62.14460(c) through (e) must be submitted no later than 60 days following the end of the semiannual reporting period. The first semiannual reporting period ends 6 months following the submission of information in paragraph (a) of this section. Subsequent reports must be submitted no later than 6 calendar months following the previous report.
5. [40 CFR Part 62.14465]
All reports must be signed by the facilities manager (defined in 40 CFR Part 62.14490).

IV. Reporting Requirements (continued)

6. 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. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
7. The permittee shall submit quarterly deviation (excursion) reports that provide the following information for each period during which the primary or secondary combustion chamber exhaust gas temperature falls below the applicable limitation during normal operation:
 - a. the date of the excursion;
 - b. the time interval over which the excursion occurred;
 - c. the temperature values during the excursion;
 - d. the cause(s) for the excursion; and
 - e. the corrective action which has been or will be taken to prevent similar excursions in the future.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.

8. The permittee shall submit quarterly deviation (excursion) reports that identify the following information for each period during which the operating parameters specified in section A.II.13 were not kept at the required levels established during the most recent emission testing that demonstrated the emissions unit was in compliance:
 - a. the date of the excursion;
 - b. the time interval over which the excursion occurred;
 - c. the parametric values during the excursion;
 - d. the cause(s) for the excursion; and
 - e. the corrective action which has been or will be taken to prevent similar excursions in the future.

These reports shall be submitted in accordance with General Term and Condition A.1.c.ii.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The initial performance emission testing shall be conducted within 6 months after the date final compliance is required under 40 CFR, Part 62.14470(b)(2)(v).
 - b. The permittee shall conduct additional emission testing for this emissions unit in accordance with the following requirements:
 - i. determine compliance with the opacity limit by conducting an annual performance test (no more than 12 months following the previous performance test) using the applicable procedures and test methods described below; and
 - ii. determine compliance with the PE, CO, HCl, Pb, Cd, Hg, As, Be, Cr, and Ni emission limits by conducting an annual performance test (no more than 12 months following the previous performance test) using the applicable procedures and test methods described below. If all three performance tests over a 3-year period indicate compliance with the emission limit for a pollutant (PE, CO, HCl, Pb, Cd, Hg, As, Be, Cr, or Ni), the permittee may forego a performance test for that pollutant for the next 2 years. At a minimum, the permittee shall conduct a performance test for PE, CO, HCl, Pb, Cd, Hg, As, Be, Cr, and Ni every third year (no more than 36 months following the previous performance test). If a performance test conducted every third year indicates compliance with the emission limit for a pollutant (PE, CO, HCl, Pb, Cd, Hg, As, Be, Cr, or Ni), the permittee may forego a performance test for that pollutant for an additional 2 years. If any performance test indicates noncompliance with the respective emission limit, the permittee shall conduct a performance test for that pollutant annually until all annual performance tests over a 3-year period indicate compliance with the emission limit. The Administrator may waive the requirement to conduct annual performance tests over a 3-year period.

V. Testing Requirements (continued)

c. [40 CFR Part 62.14452]

The permittee shall use the following test methods and procedures to conduct performance tests to determine compliance with the emission limits:

i. all performance tests shall consist of a minimum of three test runs conducted under representative operating conditions;

ii. the minimum sample time shall be 1 hour per test run unless otherwise indicated in this section;

iii. the permittee shall use EPA Reference Method 1 of 40 CFR, Part 60, Appendix A to select the sampling location and number of traverse points;

iv. the permittee shall use EPA Reference 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;

v. the permittee shall adjust pollutant concentrations to 7 percent oxygen using the following equation:

$$C_{adj} = C_{meas} (20.9-7)/(20.9-\%O_2) \quad (\text{Eq. 1})$$

Where:

C_{adj} = pollutant concentration adjusted to 7 percent oxygen

C_{meas} = pollutant concentration measured on a dry basis at standard conditions
 $(20.9-7)$ = 20.9 percent oxygen -- 7 percent oxygen (defined oxygen correction basis)

20.9 = oxygen concentration in air, percent

%O₂ = oxygen concentration measured on a dry basis at standard conditions, percent

vi. the permittee shall use EPA Reference Methods 1 - 5 or 29 of 40 CFR, Part 60, Appendix A to measure PE;

vii. the permittee shall use EPA Reference Method 9 of 40 CFR, Part 60, Appendix A to measure stack opacity;

viii. the permittee shall use EPA Reference Method 10 or 10B of 40 CFR, Part 60, Appendix A to measure the CO emissions;

ix. the permittee shall use EPA Reference 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 has selected the toxic equivalency standards for dioxin/furans under 40 CFR, Part 62.14411, the permittee shall use the following procedures to determine compliance:

(a) measure the concentration of each dioxin/furan tetra-through octa-congener emitted using EPA Reference Method 23;

(b) for each dioxin/furan congener measured in accordance with section A.V.d.ix(a), multiply the congener concentration by its corresponding toxic equivalency factor specified in Table 2 of 40 CFR, Part 62.14452; and

(c) sum the products calculated in accordance with section A.V.d.ix(b) to obtain the total concentration of dioxins/furans emitted in terms of toxic equivalency.);

V. Testing Requirements (continued)

x. the permittee shall use EPA Reference Method 26 of 40 CFR, Part 60, Appendix A to measure HCl emissions. If the permittee has selected the percentage reduction standards for HCl under 40 CFR, Part 62.14411, compute the percentage reduction in HCl emissions (%RHCl) using the following formula:

$$(\%RHCl) = ((E_i - E_o)/E_i) \times 100 \quad (\text{Eq. 2})$$

Where:

%RHCl = percentage reduction of HCl emissions achieved

E_i = HCl emission concentration measured at the control device inlet, corrected to 7 percent oxygen (dry basis at standard conditions)

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

xi. the permittee shall use EPA Reference Method 29 of 40 CFR, Part 60, Appendix A to measure Be, Cr, Cd, As, Pb, Cd, and Hg emissions. If the permittee has selected the percentage reduction standards for metals under 40 CFR, Part 62.14411, compute the percentage reduction in emissions (%Rmetal) using the following formula:

$$(\%R_{\text{metal}}) = ((E_i - E_o)/E_i) \times 100 \quad (\text{Eq. 3})$$

Where:

%Rmetal = percentage reduction of metal emission (Be, Cr, Cd, As, Pb, Cd, or Hg) achieved

E_i = metal emission concentration (Be, Cr, Cd, As, Pb, Cd, or Hg) measured at the control device inlet, corrected to 7 percent oxygen (dry basis at standard conditions)

E_o = metal emission concentration (Be, Cr, Cd, As, Pb, Cd, or Hg) measured at the control device outlet, corrected to 7 percent oxygen (dry basis at standard conditions));

xii. use of the bypass stack during a performance test will invalidate the performance test; and

xiii. the tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Northeast District 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 the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be submitted to the Ohio EPA Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northeast District Office.

V. Testing Requirements (continued)

2. Compliance Methods Requirements: Compliance with the emission limitation(s) in Section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

2.a Emission Limitations:
0.015 grain PE/dscf
0.275 lb PE/hr, 1.2 tons PE/yr
0.10 lb PE/100 lbs charged

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable grain PE/dscf limitation, the lb PE/100 lbs charged limitation and the hourly allowable PE limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 1 - 5 and the procedures specified in section A.V.1 of 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.

2.b Emission Limitations:
100 ppmv HCl or 93% reduction

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable ppmv HCl or the % reduction requirements based upon the results of emission testing conducted in accordance with 40 CFR Part 60, Appendix A, Methods 26 or 26A and the procedures specified in section A.V.1 of this permit.

2.c Emission Limitation:
40 ppmv CO

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable ppmv CO limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 10 or 10B and the procedures specified in section A.V.1 of this permit.

2.d Emission Limitation:
0.0042 lb As/hr, 0.018 ton As/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable As emission limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29.

The annual As emission 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.

2.e Emission Limitations:
0.0024 lb Be/hr and 0.0105 ton Be/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable Be limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29.

The annual Be limitation was developed by multiplying the hourly Be emission 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.

V. Testing Requirements (continued)

- 2.f** Emission Limitations:
0.07 gr Cd/thousand dscf or 65% reduction
0.01 lb Cd/hr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable gr Cd/thousand dscf, lbs Cd/hr or the Cd % reduction requirement based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29 and the procedures specified in section A.V.1 of this permit.

- 2.g** Emission Limitations:
0.0015 lb Cr/hr and 0.0066 ton Cr/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable Cr limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29.

The annual Cr limitation was developed by multiplying the hourly Cr emission 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.

- 2.h** Emission Limitations:
0.52 gr Pb/thousand dscf or 70% reduction
0.068 lb Pb/hr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable gr Pb/thousand dscf, lbs Pb/hr or the Pb % reduction requirement based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29 and the procedures specified in section A.V.1 of this permit.

- 2.i** Emission Limitations:
0.24 gr Hg/thousand dscf or 85% reduction
0.011 lb Hg/hr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable gr Hg/thousand dscf, lbs Hg/hr or the Hg % reduction requirement based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29 and the testing requirements, methods and procedures specified in section A.V.1 of this permit.

- 2.j** Emission Limitations:
0.0076 lb Ni/hr and 0.033 ton Ni/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable Ni limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 29.

The annual Ni limitation was developed by multiplying the hourly Ni emission 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.

V. Testing Requirements (continued)

2.k Emission Limitation:

Visible PE shall not exceed 5 percent opacity, except for 6 minutes in any continuous 60-minute period during which opacity shall not exceed 10 percent.

Applicable Compliance Method:

The permittee shall determine compliance with the opacity restriction above in accordance with 40 CFR, Part 60, Appendix A, Method 9.

2.l Emission Limitation:

dioxins/furans: 55 gr/billion dscf or 1.0 gr/billion dscf TEQ

Applicable Compliance Method:

The permittee shall demonstrate compliance with the allowable grain dioxins and furans/billion dscf limitation based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Method 23 and the procedures specified in section A.V.1 of this permit.

2.m Emission Limitation:

55.0 ppmv SO₂

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the allowable ppmv SO₂ limitation based upon the results of emission testing conducted in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 6.

2.n Emission Limitation:

250 ppmv NO_x

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the allowable ppmv NO_x limitation based upon the results of emission testing conducted in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 4 and 7.

VI. Miscellaneous Requirements

1. The Ohio EPA is currently working on revisions to OAC Chapter 3745-75. When these revisions are approved and become effective, the permittee shall apply for a revision to its Title V permit in order to meet the new requirements of OAC Chapter 3745-75.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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