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

11/20/02

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

06-27-01-0000
Holzer Medical Center
David L. Schoonover
100 Jackson Pike
Gallipolis, OH 45631

Dear David L. Schoonover:

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
236 East Town Street
Room 300
Columbus, Ohio 43215

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

Very truly yours,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: Southeast District Office
File, DAPC PMU

State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: **11/20/02**	Effective Date: **12/11/02**	Expiration Date: **11/20/07**

This document constitutes issuance of a Title V permit for Facility ID: 06-27-01-0000 to:
Holzer Medical Center
100 Jackson Pike
Gallipolis, OH 45631

Emissions Unit ID (Company ID)/Emissions Unit Activity Description		
N002 (HMIWI) Incinerator Operations		

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:

Southeast District Office
2195 Front Street
Logan, OH 43138
(740) 385-8501

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, 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. 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))
ii. **For emission limitations, operational restrictions, and control device operating parameter limitations:**

(a) Written reports of (i) any deviations from federally enforceable 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 taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Part III of this Title V permit, the written 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. 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. These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt

reporting of all deviations. See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) ,(ii) and (iii))

(b) 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 deviation reporting requirements for this Title V permit, written reports that identify each malfunction that occurred during each calendar quarter shall be submitted, at a minimum, quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters.

In identifying each deviation caused by a malfunction, the permittee shall specify the applicable requirement 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. Also, if a deviation caused by a malfunction is identified in a written report submitted pursuant to paragraph (a) above, a separate report is not required for that malfunction pursuant to this paragraph. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing, at a minimum, on a quarterly basis.

Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation, operational restriction, and control device operating parameter limitation shall be reported in the same manner as described above for malfunctions. These written reports for malfunctions (and scheduled maintenance projects, if appropriate) shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(iii))

iii. **For monitoring, record keeping, and reporting requirements:**
Written reports that identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year, for the previous six calendar months. 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. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no 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))

2. 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 unit(s) 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 OAC rule 3745-15-06, 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).

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

3. Risk Management Plans

If the permittee is required to 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"), the permittee shall comply with the requirement to register such a 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, except that no such notice shall be required for changes that qualify as insignificant emission 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.

(For purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)
(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))

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 <u>Federally Enforceable</u> Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

None

B. State Only Enforceable Section

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

B002 - boiler #2;
B004 - emergency generator #1;
B005 - emergency generator #2;
B006 - boiler #1; and
B007 - boiler #3.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: HMIWI (N002)

Activity Description: Incinerator Operations

A. State and Federally 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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
375 pounds per hour, hospital/medical/infectious waste incinerator	40 CFR Part 62, Subpart HHH (requirements for medium size, hospital, medical and infectious waste incinerators (HMIWI), constructed on or before June 20, 1996)	0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf) 100 ppm or 93% reduction of hydrogen chloride emissions 40 ppm of carbon monoxide, by volume (dry basis), adjusted to 7% oxygen 0.070 gr/1000 dscf or 65% reduction of cadmium emissions 0.52 gr/1000 dscf or 70% reduction of lead emissions 0.24 gr/1000 dscf or 85% reduction of mercury emissions 55 gr/billion dscf of total dioxins/furans or 1.0 gr/billion dscf of TEQ 55 ppm, by volume, of sulfur dioxide emissions 250 ppm, by volume, of nitrogen oxides emissions See A.I.2.a below.
	40 CFR Part 60, Subpart Ce	See A.I.2.b below.
	OAC rule 3745-31-05(A)(3) (PTI 06-2705)	See A.I.2.c below.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-09(B)	See A.I.2.d below.
	OAC rule 3745-75-02(B)	See A.I.2.e below.
	OAC rule 3745-75-02(D)	See A.I.2.e below.
	OAC rule 3745-75-02(E)	See A.I.2.c below.
	OAC rule 3745-75-02(F)	0.0042 lb/hr of arsenic and arsenic compounds 0.0076 lb/hr of beryllium and beryllium compounds 0.0015 lb/hr of chromium and chromium compounds 0.0076 lb/hr of nickel and nickel compounds See A.I.2.f below.
	OAC rule 3745-75-02(G)	Visible particulate emissions shall not exceed 5% opacity as a 6-minute average, except for a 1-minute period in any continuous 60-minute period during which the opacity shall not exceed 10% as a 6-minute average.

2. Additional Terms and Conditions

2.a The visible particulate emission limitation required by 40 CFR Part 62, Subpart HHH is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-75-02(G).

2.b The emission limitations required 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.c The emission limitation(s) established pursuant to this rule is (are) less stringent than the emission limitations established pursuant to 40 CFR Part 62, Subpart HHH.

2.d In accordance with OAC rule 3745-17-09(A)(1), this emissions unit is exempt from the requirements specified in OAC rule 3745-17-09 due to the applicability of OAC Chapter 3745-75.

2.e The emission limitation required by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 62, Subpart HHH.

2.f The additional emission limitations required by this rule, except the visible particulate emission limitations, are less stringent than the emission limitations established pursuant to 40 CFR Part 62, Subpart HHH.

2.g [40 CFR Part 62.14413]
The emission limitations established pursuant to 40 CFR Part 62, Subpart HHH 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.

2.h The permittee shall comply with the requirements of 40 CFR Part 62, Subpart HHH in accordance with the compliance schedule contained in section A.VI.1 of this permit.

II. Operational Restrictions

1. [OAC rule 3745-75-03(A)]
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 reincinerated.

2. [OAC rule 3745-75-03(B)]
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. [OAC rule 3745-75-03(D)]
The secondary combustion chamber (afterburner) of this incinerator shall allow for a 2-second retention time at 1800 degrees Fahrenheit.

4. [OAC rule 3745-75-03(F)]
This batch incinerator, as defined in OAC rule 3745-75-02(F), shall incorporate a lockout system which will prevent the ignition of waste until the exit gas temperature of the secondary combustion chamber (afterburner) reaches 1800 degrees Fahrenheit and which will prevent recharging until the combustion and burn-down cycles are complete.

5. [OAC rule 3745-75-03(H)]
The stack(s) for this batch 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.

6. [OAC rule 3745-75-03(I)]
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.

7. [OAC rule 3745-75-03(K)]
This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained to prevent the emission of objectionable odors.

8. [OAC rule 3745-75-03(L)]
Infectious waste that is also radioactive shall be managed in accordance with the applicable rules of the Ohio Department of Health and regulations of the United States Nuclear Regulatory Commission. Radioactive waste or infectious radioactive waste which has levels of radioactivity that require special treatment or disposal according to United States Nuclear Regulatory Commission and Ohio Department of Health requirements shall not be charged into an infectious waste incinerator.

9. [OAC rule 3745-75-03(M)]
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.

10. [OAC rule 3745-75-03(N)]
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.

II. Operational Restrictions (continued)

11. [40 CFR Parts 62.14420 and 62.14421]
The permittee must have a fully trained and qualified HMIWI operator, either at the facility or able to be at the facility within 1 hour. The trained and qualified HMIWI operator may operate the HMIWI directly or be the direct supervisor of one or more HMIWI operators.

a. The HMIWI operator can obtain training and qualification through a State-approved program or as provided in paragraph (ii) of this section.

b. If there are no State-approved training and qualification programs available or if the operator does not want to participate in a State-approved program, then the operator must complete a training course that includes the requirements in 40 CFR Part 62.14422 and satisfy the qualification requirements in 40 CFR Part 62.14423.

12. [PTI 06-2705]
Materials listed as "Hazardous" in 40 CFR Part 261, Subpart D shall not be incinerated except in accordance with all applicable statutes, rules, and regulations.

III. Monitoring and/or Record Keeping Requirements

1. [OAC rule 3745-75-04(A)]
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 (afterburner) 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. [OAC rule 3745-75-04(C)]
All off-site facilities or facilities that possess a license from the United States Nuclear Regulatory Commission to use radioactive materials or that use radioactive materials and operate an infectious waste incinerator shall install, maintain, and operate a radioactivity monitor and alarm. The radioactivity monitor shall be installed to monitor all infectious waste prior to combustion.

3. [OAC rule 3745-75-04(E)]
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. [OAC rule 3745-75-04(D)]
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.

5. Records for 5 years of results from the initial performance test and all subsequent performance tests, monitored operating parameters, and operator training and qualification are to be maintained.

6. [40 CFR Part 62.14453(b)]
The EPA Administrator must be petitioned in accordance with 40 CFR Part 62.14453, for site-specific operating parameters to be established during the initial performance test and the permittee must continuously monitor those parameters thereafter. The permittee may not conduct the initial performance test until the EPA Administrator has approved the petition.

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

7. [40 CFR Parts 62.14454(a) through (d)]
The permittee shall perform the following monitoring requirements:

a. The permittee must install, calibrate (to manufacturers' specifications), maintain, and operate devices (or establish methods) for monitoring the applicable maximum and minimum operating parameters listed in Table 3 of 40 CFR Part 62, Subpart HHH (maximum charge rate, minimum secondary chamber or afterburner temperature) such that these devices (or methods) measure and record values for the operating parameters at the frequencies indicated in Table 3 of Subpart HHH at all times, except during periods of startup and shutdown. For 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.

b. The permittee must install, 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. The permittee must install, calibrate (to manufacturers' specifications), maintain, and operate the equipment necessary to monitor the site-specific operating parameters developed pursuant to 40 CFR Part 62.14453(b).

d. The permittee must obtain monitoring data at all times during HMIWI operation except during periods of monitoring equipment malfunction, calibration, or repair. At a minimum, valid monitoring data must be obtained for 75 percent of the operating hours per day for 90 percent of the operating days per calendar quarter that the HMIWI is combusting hospital waste and/or medical/infectious waste.

8. [40 CFR Part 62.14424(a)]
The permittee shall maintain the following documents at the facility:

a. a summary of the applicable standards under 40 CFR Part 62, Subpart HHH;

b. a description of the 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 any associated air pollution control systems within the standards extablished under 40 CFR Part 62, Subpart HHH;

g. the procedures for responding to a malfunction or conditions that may lead to a malfunction;

h. the procedures for monitoring HMIWI emissions;

i. the reporting and record keeping procedures; and

j. the procedures for handling ash.

9. [40 CFR Part 62.14424(b)]
The permittee shall keep the information required in section A.III.8 in a readily accessible location for all HMIWI operators. This information, along with records of training, shall be available for inspection by the USEPA or its delegated enforcement agent upon request.

10. [40 CFR Part 62.14425]
The permittee shall establish a program for reviewing the information in section A.III.8 annually with each HMIWI operator.

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

11. [40 CFR Parts 62.14430 and 62.14431]
The permittee shall develop a waste management plan that identifies 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, the permittee must consider the American Hospital Association publication entitled "Ounce of Prevention: Waste Reduction Strategies for Health Care Facilities", i.e., AHA Catalog No. 057007.

12. [40 CFR Parts 62.14460(a) through (j)]
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 (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 amount and type of dioxin/furan sorbent used during each hour of operation, as applicable;
iv. the amount and type of mercury sorbent used during each hour of operation, as applicable;
v. the amount and type of hydrogen chloride sorbent used during each hour of operation, as applicable;
vi. the secondary chamber (afterburner) temperatures recorded during each minute of operation;
vii. 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;
viii. the records indicating use of the bypass stack, including dates, times, and durations; and
ix. if the facility is complying by monitoring site-specific operating parameters under 40 CFR Part 62.14453(b), all operating data collected must be monitored;

c. the identification of calendar days for which data on emission rates or operating parameters specified under sections A.III.12.b.i through A.III.12.b.ix of this permit 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;

d. the identification of calendar days, times and durations of malfunctions, and a description of the malfunction and the corrective action taken;

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

e. the identification of calendar days for which data on emission rates or operating parameters specified under sections A.III.12.b.i through A.III.12.b.ix of this permit exceeded the applicable limitations, 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 limitations 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.

13. [40 CFR Part 62.14461]
The permittee must maintain the records specified in section A.III.12 for a period of at least 5 years.

14. [40 CFR Part 62.14462]
The permittee must maintain all records specified in section A.III.12 on site in either paper copy or computer-readable format, unless an alternative format is approved by the EPA Administrator.

IV. Reporting Requirements

1. [40 CFR Parts 62.14463(a) through (k)]
The permittee must report the following to the Southeast 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 Parts 62.14460(c) through (e) for the calendar year being reported;

g. any information recorded under 40 CFR Parts 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 any 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).

2. [40 CFR Parts 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)]
An annual report must be submitted to the Southeast 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, the permittee must submit these reports semiannually). The annual reports must include the information specified in 40 CFR Parts 62.14463(d) through (k), as applicable.

4. [40 CFR Part 62.14464(c)]
Semiannual reports containing any information recorded under 40 CFR Parts 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. [OAC rule 3745-75-05(C)]
On a quarterly basis, reports shall be submitted to the Southeast 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)

6. [40 CFR Part 62.14465]
All reports must be signed by the facilities manager (defined in 40 CFR Part 62.14490).

7. The permittee shall submit quarterly deviation (excursion) reports that identify any time the emissions unit is in operation and the primary and secondary combustion chambers do not comply with the temperature limitations specified in section A.II.2. The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation:

0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases (gr/dscf)

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2, A.V.4, and A.V.6.

1.b Emission Limitation:

100 ppm or 93% reduction of hydrogen chloride emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2, A.V.4, and A.V.6.

1.c Emission Limitation:

40 ppm of carbon monoxide, by volume (dry basis), adjusted to 7% oxygen

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2, A.V.4, and A.V.6.

1.d Emission Limitation:

0.070 gr/1000 dscf or 65% reduction of cadmium emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2 and A.V.6.

1.e Emission Limitation:

0.52 gr/1000 dscf or 70% reduction of lead emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2 and A.V.6.

V. Testing Requirements (continued)

1.f Emission Limitation:

0.24 gr/1000 dscf or 85% reduction of mercury emissions

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2 and A.V.6.

1.g Emission Limitation:

55 gr/billion dscf of total dioxins/furans or 1.0 gr/billion dscf of TEQ

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2 and A.V.6.

1.h Emission Limitation:

55 ppm, by volume, of sulfur dioxide emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 6.

1.i Emission Limitation:

250 ppm, by volume, of nitrogen oxides emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 7.

1.j Emission Limitation:

0.0042 lb/hr of arsenic and arsenic compounds

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.3, A.V.5, and A.V.6.

1.k Emission Limitation:

0.0076 lb/hr of beryllium and beryllium compounds

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.3, A.V.5, and A.V.6.

V. Testing Requirements (continued)

1.l Emission Limitation:

0.0015 lb/hr of chromium and chromium compounds

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.3, A.V.5, and A.V.6.

1.m Emission Limitation:

0.0076 lb/hr of nickel and nickel compounds

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.3, A.V.5, and A.V.6.

1.n Emission Limitation:

Visible particulate emissions shall not exceed 5% opacity as a 6-minute average, except for a 1-minute period in any continuous 60-minute period during which the opacity shall not exceed 10% as a 6-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the methods and procedures specified in sections A.V.2, A.V.4, and A.V.6.

V. Testing Requirements (continued)

2. [40 CFR Parts 62.14451(a) and 62.14452]
The permittee shall conduct an initial performance test to determine compliance with the particulates, visible particulates, carbon monoxide, dioxin/furan, hydrogen chloride, lead, cadmium, and mercury emission limitations and to establish operating parameters in accordance with 40 CFR Part 62.14453. The initial performance test shall be completed by March 15, 2003 in accordance with 40 CFR Part 62.14470(b)(3).

The tests shall be performed as outlined in 40 CFR Part 62.14452 using the following test methods and procedures to determine compliance with the emission limitations:

a. All performance tests must consist of a minimum of 3 test runs conducted under representative operating conditions.

b. The minimum sample time must be 1 hour per test run unless otherwise indicated.

c. Use EPA Reference Method 1 of 40 CFR Part 60, Appendix A to select the sampling location and number of traverse points.

d. Use EPA Reference Method 3, 3A, or 3B of 40 CFR Part 60, Appendix A for gas composition analysis, including measurement of oxygen concentration. You must use EPA Reference Method 3, 3A, or 3B of 40 CFR Part 60, Appendix A simultaneously with each reference method.

e. Adjust pollutant concentrations to 7 percent oxygen using the following equation:

$$Cadj = Cmeas\ (20.9 - 7) / (20.9 - \%O2)$$

where:

Cadj = pollutant concentration adjusted to 7 percent oxygen;
Cmeas = 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; and
%O2 = oxygen concentration measured on a dry basis at standard conditions, percent.

f. Except as provided in section A.V.2.l, use EPA Reference Method 5 or 29 of 40 CFR Part 60, Appendix A to measure particulate emissions.

V. Testing Requirements (continued)

g. Except as provided in section A.V.2.l, use EPA Reference Method 9 of 40 CFR Part 60, Appendix A to measure the opacity of the visible particulate emissions.

h. Except as provided in section A.V.2.l, use EPA Reference Method 10 or 10B of 40 CFR Part 60, Appendix A to measure the carbon monoxide emissions.

i. Except as provided in section A.V.2.l, use EPA Reference Method 23 of 40 CFR Part 60, Appendix A to measure total dioxin/furan emissions. The minimum sample time must be 4 hours per test run. If the toxic equivalency standards for dioxin/furans under 40 CFR Part 62.14411 have been selected, you must use the following procedures to determine compliance:

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

ii. for each dioxin/furan congener measured in accordance with section i.i, multiply the congener concentration by its corresponding toxic equivalency factor specified in Table 2 of 40 CFR Part 62, Subpart HHH; and

iii. sum the products calculated in accordance with section A.V.2.i.iii to obtain the total concentration of dioxins/furans emitted in terms of toxic equivalency.

j. Except as provided in section A.V.2.l, use EPA Reference Method 26 of 40 CFR Part 60, Appendix A to measure hydrogen chloride emissions. If the percentage reduction standards for hydrogen chloride under 40 CFR Part 62.14411 have been selected, compute the percentage reduction in hydrogen chloride emissions (%RHCl) using the following formula:

$$(\%RHCl) = [(Ei - Eo) / (Ei)] \times 100$$

where:

%RHCl = percentage reduction of hydrogen chloride emissions achieved;
Ei = hydrogen chloride emission concentration measured at the control device inlet, corrected to 7 percent oxygen (dry basis at standard conditions); and
Eo = hydrogen chloride emission concentration measured at the control device outlet, corrected to 7 percent oxygen (dry basis at standard conditions).

V. Testing Requirements (continued)

k. Except as provided in section A.V.2.l, use EPA Reference Method 29 of 40 CFR Part 60, Appendix A to measure lead, cadmium, and mercury emissions. If the percentage reduction standards for metals under 40 CFR Part 62.14411 have been selected, compute the percentage reduction in emissions (%Rmetal) using the following formula:

(%Rmetal) = [(Ei - Eo) / (Ei)] x 100

where:

%Rmetal = percentage reduction of metal emission (lead, cadmium, or mercury) achieved;
Ei = metal emission concentration (lead, cadmium, or mercury) measured at the control device inlet, corrected to 7 percent oxygen (dry basis at standard conditions); and
Eo = metal emission concentration (lead, cadmium, or mercury) measured at the control device outlet, corrected to 7 percent oxygen (dry basis at standard conditions).

l. If using a continuous emission monitoring system (CEMS) to demonstrate compliance with any of the emission limitations the permittee must:

i. Determine compliance with the appropriate emission limitation(s) using a 12-hour, rolling average, calculated each hour as the average of the previous 12 operating hours (not including startup, shutdown, or malfunction). Performance tests using EPA Reference Methods are not required for pollutants monitored with CEMS.

ii. Operate a CEMS to measure oxygen concentration, adjusting pollutant concentrations to 7 percent oxygen as specified in section A.V.2.e.

iii. Operate all CEMS in accordance with the applicable procedures specified in 40 CFR Part 60, Appendices B and F.

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

3. The permittee shall also conduct an initial performance test to determine compliance with the emission limitations for arsenic and arsenic compounds, beryllium and beryllium compounds, chromium and chromium compounds, and nickel and nickel compounds through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

V. Testing Requirements (continued)

4. [40 CFR Parts 62.14451(b) and (c)]
After the initial performance test is completed or is required to be completed under 40 CFR Part 62.14470, whichever date comes first, the permittee shall:

a. Determine compliance with the visible particulate emission limitations by conducting an annual performance test (no more than 12 months following the previous performance test) using the applicable procedures and test methods listed in 40 CFR Part 62.14452.

b. Determine compliance with the particulate, carbon monoxide, and hydrogen chloride emission limitations by conducting an annual performance test (no more than 12 months following the previous performance test) using the applicable procedures and test methods listed in 40 CFR Part 62.14452. If all three performance tests over a 3-year period indicate compliance with the emission limitation for a pollutant (particulates, carbon monoxide, or hydrogen chloride), the permittee may forego a performance test for that pollutant for the next 2 years. At a minimum, the permittee must conduct a performance test for particulates, carbon monoxide, and hydrogen chloride 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 limitation for a pollutant (particulates, carbon monoxide, or hydrogen chloride), 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 limitation, the permittee must conduct a performance test for that pollutant annually until all annual performance tests over a 3-year period indicate compliance with the emission limitation.

c. The EPA Administrator or Director may request a repeat performance test at any time.

5. After the initial performance test is completed, the permittee shall demonstrate compliance with the emission limitations for arsenic and arsenic compounds, beryllium and beryllium compounds, chromium and chromium compounds, lead and lead compounds, mercury and mercury compounds, and nickel and nickel compounds through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29. The emission tests shall be conducted 3 years after the initial compliance demonstration specified in section A.V.3 above.

6. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emission 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 field office's refusal to accept the results of the emission test(s).

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

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

VI. Miscellaneous Requirements

1. Holzer Medical Center shall implement the following compliance schedule for meeting the requirements of 40 CFR Part 62, Subpart HHH. The milestones of this compliance schedule shall be attained as follows:

July 15, 2002: Complete on-site construction of control equipment.

September 15, 2002: Achieve final compliance (as defined by 40 CFR 62.14470(b)(2)(v)).

March 15, 2003: Perform initial performance test.

May 15, 2003: Submission of results of performance test and waste management plan.

2. The permittee is hereby notified that this permit and all Agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

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.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

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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