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

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

04/14/03

RE: Proposed Title V Chapter 3745-77 Permit

13-18-39-4002
Southwest General Health Center

Attn: Genevieve Damico AR-18J
United States Environmental Protection Agency
Region V
77 West Jackson Blvd.
Chicago, IL 60604-3590

Dear Ms. Damico:

The proposed issuance of the Title V permit for Southwest General Health Center, has been created in Ohio EPA's State Air Resources System (STARS) on 04/14/03, for review by USEPA. This proposed action is identified in STARS as 3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact me at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,

Michael W. Ahern

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

cc: Cleveland Division of Air Pollution Control
File, DAPC PMU

State of Ohio Environmental Protection Agency

PROPOSED TITLE V PERMIT

Issue Date: 04/14/03	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 13-18-39-4002 to:
Southwest General Health Center
18697 Bagley Road
Middleburg Heights, OH 44130

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

B001 (Boiler #1) 35 mmbtu/hr Boiler	B003 (Boiler #3) 10 mmbtu/hr Boiler	Infectious Waste Incinerator
B002 (Boiler #2) 35 mmbtu/hr Boiler	N002 (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:

Cleveland Division of Air Pollution Control
1925 St. Clair
Cleveland, OH 44114
(216) 664-2324

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. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) with respect to emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

(a) Written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations ; (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:

Z008 - hot water heater 8-1;
Z009 - hot water heater 8-2;
Z010 - hot water heater 10-1;
Z011 - hot water heater 10-2;
Z012 - emergency generator; and
Z013 - fuel storage tanks.

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: Boiler #1 (B001)

Activity Description: 35 mmbtu/hr Boiler

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
35 mmBtu/hr natural gas/No.2 oil-fired boiler #1	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions per mmBtu actual heat input
	OAC rule 3745-18-06(D)	1.6 lbs of sulfur dioxide emissions per mmBtu actual heat input when firing No.2 fuel oil
	OAC rule 3745-31-05(A)(3) (PTI#13-079)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B)(1), 3745-18-06(D), 3745-21-08, and 3745-23-06.
	OAC rule 3745-21-08(B)	See A.I.2.a below.
	OAC rule 3745-23-06(B)	See A.I.2.b below.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-079.

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

2.b The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-079.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

2. The quality of the oil burned in this emissions unit shall have a combination of sulfur content and heat content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1. above.

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

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

IV. Reporting Requirements

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

2. The permittee shall notify the Cleveland Division of Air Quality in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland Division of Air Quality within 45 days after the deviation occurs.

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 method(s):

1.a Emission Limitation -
0.020 lb of particulate emissions per mmBtu actual heat input

Applicable Compliance Method -
For the use of natural gas, compliance may be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (35,000 cu.ft/hr) by the AP-42 emission factor* for natural gas (1.9 lbs of particulates/mmcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (35 mmBtu/hr). For the use of No. 2 fuel oil, compliance may be based upon multiplying the maximum fuel oil capacity of the emissions unit (255 gal/hr) by the AP-42 emission factor** for No. 2 fuel oil (2 lbs of particulates/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (35 mmBtu/hr).

*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-2
**AP-42, Fifth Edition, Supplement D (9-98), Table 1.3-1

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A while firing No.2 fuel oil.

V. Testing Requirements (continued)

1.b Emission Limitation -
1.6 lbs of SO2 emissions per mmBtu actual heat input when firing No. 2 fuel oil

Applicable Compliance Method -
When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation, as required in Section A.III.3 above. When firing natural gas, compliance shall be assumed due to the negligible sulfur content in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 6 of 40 CFR Part 60, Appendix A while firing No.2 fuel oil.

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

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

VI. Miscellaneous Requirements

None

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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #2 (B002)

Activity Description: 35 mmbtu/hr Boiler

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
35 mmBtu/hr natural gas/No.2 oil-fired boiler #2	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions per mmBtu actual heat input
	OAC rule 3745-18-06(D)	1.6 lbs of sulfur dioxide emissions per mmBtu actual heat input when firing No.2 fuel oil
	OAC rule 3745-31-05(A)(3) (PTI#13-079)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B)(1), 3745-18-06(D), 3745-21-08, and 3745-23-06.
	OAC rule 3745-21-08(B)	See A.I.2.a below.
	OAC rule 3745-23-06(B)	See A.I.2.b below.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-079.

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

2.b The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-079.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

2. The quality of the oil burned in this emissions unit shall have a combination of sulfur content and heat content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1. above.

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

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

IV. Reporting Requirements

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

2. The permittee shall notify the Cleveland Division of Air Quality in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland Division of Air Quality within 45 days after the deviation occurs.

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 method(s):

1.a Emission Limitation -
0.020 lb of particulate emissions per mmBtu actual heat input

Applicable Compliance Method -
For the use of natural gas, compliance may be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (35,000 cu.ft/hr) by the AP-42 emission factor* for natural gas (1.9 lbs of particulates/mmcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (35 mmBtu/hr). For the use of No. 2 fuel oil, compliance may be based upon multiplying the maximum fuel oil capacity of the emissions unit (255 gal/hr) by the AP-42 emission factor** for No. 2 fuel oil (2 lbs of particulates/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (35 mmBtu/hr).

*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-2
**AP-42, Fifth Edition, Supplement D (9-98), Table 1.3-1

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A while firing No.2 fuel oil.

V. Testing Requirements (continued)

1.b Emission Limitation -
1.6 lbs of SO2 emissions per mmBtu actual heat input when firing No. 2 fuel oil

Applicable Compliance Method -
When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation, as required in Section A.III.3 above. When firing natural gas, compliance shall be assumed due to the negligible sulfur content in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 6 of 40 CFR Part 60, Appendix A while firing No.2 fuel oil.

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

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

VI. Miscellaneous Requirements

None

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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #3 (B003)

Activity Description: 10 mmbtu/hr Boiler

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
35 mmBtu/hr natural gas/No.2 oil-fired boiler #3	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions per mmBtu actual heat input
	OAC rule 3745-18-06(D)	1.6 lbs of sulfur dioxide emissions per mmBtu actual heat input when firing No.2 fuel oil
	OAC rule 3745-31-05(A)(3) (PTI#13-079)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B)(1), 3745-18-06(D), 3745-21-08, and 3745-23-06.
	OAC rule 3745-21-08(B)	See A.I.2.a below.
	OAC rule 3745-23-06(B)	See A.I.2.b below.

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-079.

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

2.b The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-079.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

2. The quality of the oil burned in this emissions unit shall have a combination of sulfur content and heat content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I.1. above.

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

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

IV. Reporting Requirements

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

2. The permittee shall notify the Cleveland Division of Air Quality in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section A.III above. The notification shall include a copy of such record and shall be sent to the Cleveland Division of Air Quality within 45 days after the deviation occurs.

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 method(s):

1.a Emission Limitation -
0.020 lb of particulate emissions per mmBtu actual heat input

Applicable Compliance Method -
For the use of natural gas, compliance may be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (35,000 cu.ft/hr) by the AP-42 emission factor* for natural gas (1.9 lbs of particulates/mmcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (35 mmBtu/hr). For the use of No. 2 fuel oil, compliance may be based upon multiplying the maximum fuel oil capacity of the emissions unit (255 gal/hr) by the AP-42 emission factor** for No. 2 fuel oil (2 lbs of particulates/1000 gal), and dividing by the maximum hourly heat input capacity of the emissions unit (35 mmBtu/hr).

*AP-42, Fifth Edition, Supplement D (7-98), Table 1.4-2
**AP-42, Fifth Edition, Supplement D (9-98), Table 1.3-1

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A while firing No.2 fuel oil.

V. Testing Requirements (continued)

1.b Emission Limitation -
1.6 lbs of SO2 emissions per mmBtu actual heat input when firing No. 2 fuel oil

Applicable Compliance Method -
When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation, as required in Section A.III.3 above. When firing natural gas, compliance shall be assumed due to the negligible sulfur content in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 6 of 40 CFR Part 60, Appendix A while firing No.2 fuel oil.

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

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

VI. Miscellaneous Requirements

None

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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Incinerator (N002)

Activity Description: Infectious Waste Incinerator

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
infectious waste incinerator, with a maximum rated capacity of 530 lbs/hr (emissions are controlled by a wet scrubber)	40 CFR Part 62, Subpart HHH (Federal Implementation Plan requirements for Hospital/Medical/Infectious Waste Incinerators (HMIWI), constructed on or before June 20, 1996)	a. particulate emissions (PE): 0.015 grain per dry standard cubic foot of exhaust gases (gr/dscf) b. carbon monoxide (CO): 40 parts per million (ppm), by volume c. dioxins/furans (D/F): 55 gr/billion dscf of total dioxins/furans or 1.0 gr/billion dscf of dioxins/furans Toxic Equivalency Factors (TEQ) d. hydrogen chloride (HCl): 100 ppm, by volume or 93% reduction e. sulfur dioxide (SO2): 55 ppm, by volume f. nitrogen oxides (NOx): 250 ppm, by volume g. lead (Pb): 0.52 gr/1000dscf or 70% reduction h. cadmium (Cd): 0.07 gr/1000dscf or 65% reduction i. mercury (Hg): 0.24 gr/1000dscf or 85% reduction (all units corrected to 7% oxygen, dry basis at standard conditions)

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-75-02	a. Visible particulate emissions shall not exceed 5% opacity except for 6-minutes in any continuous 60-minute period during which the opacity shall not exceed 10%. b. arsenic (As) and compounds: 0.0042 lb/hr c. beryllium (Be) and compounds: 0.0076 lb/hr d. chromium (Cr) and compounds: 0.0015 lb/hr e. nickel (Ni) and compounds: 0.0076 lb/hr
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-75-02.
	OAC rule 3745-17-09	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 62, Subpart HHH.
	OAC rules 3745-75-02(B), (D), (E), (F)(3), (F)(5), and (F)(6)	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to 40 CFR Part 62, Subpart HHH.
	OAC rule 3745-31-05(A)(3) (PTI No.13-1887)	2.32 TPY of PE 17.52 TPY of HCl
	40 CFR Part 60, Subpart Ce	The emission limitations specified by this rule are 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. The waste material feed rate to this incinerator shall be limited to 530 pounds per hour, measured as a 3-hour rolling average. The permittee shall not burn more than 350 pounds per hour of infectious waste (i.e., red bag) without the prior written approval of the Cleveland Division of Air Quality.

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

3. The primary combustion chamber for this incinerator shall be maintained so that the exit gas is at a minimum temperature of 1400 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.

4. The secondary combustion chamber of this incinerator shall allow for a 2-second retention time at 1800 degrees Fahrenheit. Auxiliary heat input capacity, excluding any waste material heating value, shall be provided to independently maintain the secondary chamber at a temperature of 1800 degrees Fahrenheit until all waste materials are completely combusted.

5. This incinerator shall be equipped with an automatic feeder which is designed and operated so that wastes cannot be charged if the temperature of the gas exiting the secondary combustion chamber is less than 1800 degrees Fahrenheit.

6. Infectious waste shall not be loaded into the primary combustion chamber of this incinerator until the exit gas temperature has reached 1400 degrees Fahrenheit.

7. The stack(s) for this 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 concentrations of any air contaminant at any air intake for heating and cooling of any building or at operable windows or doors.

8. 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.

9. This incinerator shall be equipped with an air pollution control system designed to reduce hydrogen chloride (HCl) emissions, dioxin/furan (D/F) emissions, and mercury (Hg) emissions and provide for continuous compliance with the HCl, D/F, and Hg emission limitations when the 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).

10. This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained to prevent the emission of objectionable odors.

11. Under no circumstances shall radiological or radioactive waste be charged into this unit.

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.

12. This incinerator shall be operated only by properly trained personnel. A minimum of 24 hours of incinerator operation training shall be provided to each operator before he or she is allowed to operate 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 Cleveland Division of Air Quality) upon request.

13. This facility may not receive or incinerate any hazardous waste materials as defined in 40 CFR Part 261, Subpart D.

II. Operational Restrictions (continued)

14. 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 limitations 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 Cleveland Division of Air Quality 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 Cleveland Division of Air Quality) upon request.

15. 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 Parts 62.14421-62.14423.

16. 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.

17. The permittee is required to have a waste management plan, as required by 40 CFR Parts 62.14431-62.14432.

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.

19. The pH at the inlet to the wet scrubber shall be maintained at a value of 6.5 (as a 3-hour rolling average).

20. The liquid flow rate to the wet scrubber inlet shall be maintained at a value of not less than 40 gallons per minute (as a 3-hour rolling average).

21. The pressure drop across the wet scrubber shall be maintained at a value of not less than 30 inches of water (as a 3-hour rolling average) at all times while the incinerator is in operation.

22. The minimum temperature at the outlet from the wet scrubber shall be maintained at a value of not less than 117 degrees Fahrenheit (as a 3-hour rolling average) at all times while the incinerator is in operation.

23. The maximum temperature at the outlet from the wet scrubber shall be maintained at a value of not more than 121 degrees Fahrenheit (as a 3-hour rolling average) at all times while the incinerator is in operation.

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 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. The permittee shall operate and maintain continuous monitors and recorders that measure and record the 3-hour average value, each minute when the incinerator is in operation, for the following parameters:

a. Liquid flow rate to the wet scrubber inlet.

b. Pressure drop across the wet scrubber.

c. The pH at the inlet to the wet scrubber.

d. Minimum temperature at the outlet from the wet scrubber.

e. Maximum temperature at the outlet from the wet scrubber.

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

3. 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.

4. A scale (accurate to within one pound) shall be installed near this incinerator to weigh all of the material charged to the unit. A record of the total amount of material charged to this unit, as well as the amount of infectious waste material charged to this unit, on a pounds per 3-hour rolling average basis, shall be maintained as required by 40 CFR part 62.14454. (Alternative arrangements may be approved by the the Director (the Cleveland Division of Air Quality) 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.)

5. 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.

6. 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.

7. Prior to burning any infectious waste in this incinerator, the permittee shall install, operate and maintain equipment to continuously monitor and record the carbon monoxide emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60, section 60.13 and Appendix B, Performance Specification 4 and OAC rule 3745-75-04. The permittee shall maintain and operate the carbon monoxide continuous emissions monitoring system in accordance with 40 CFR Part 60, Appendix F. Any new continuous emissions monitoring (CEM) system for carbon monoxide shall be designed so that the requirements in 40 CFR Part 60, Appendix F can be achieved.

The permittee shall operate a CEM system to measure oxygen concentrations, for adjusting pollutant concentrations to 7 percent oxygen (as specified in 40 CFR part 62.14452(e)).

8. The permittee shall document all instances of carbon monoxide values in excess of the limitations specified in the terms and conditions of this permit.

9. The certified CEM system for carbon monoxide shall be the means by which compliance with the terms and conditions of this permit is determined. Compliance with the appropriate emission limitation shall be based upon 12-hour, rolling averages, calculated each hour as the average of the previous 12 operating hours (not including start-up, shutdown, or malfunctions.)

10. The carbon monoxide CEM system shall be equipped with an alarm which shall indicate whenever concentrations exceed 150 parts per million as an instantaneous measurement.

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

11. The permittee shall maintain the following:

a. the names of HMIWI operators who have completed review of the documentation in 40 CFR part 62.14424 as required by 62.14425, including the date of the initial and all subsequent annual reviews;

b. the names of HMIWI operators who have completed the operator training requirements, including documentation of training and the dates of the training;

c. the names of HMIWI operators who have met the criteria for qualification under part 62.14423 and the dates of their qualification; and

d. records of calibration of any monitoring devices as required under part 62.14454.

IV. Reporting Requirements

1. Reporting Requirements for the Amount of Waste Incinerated

The permittee shall submit annual reports, by January 31 of each year, that provide the total amount of waste incinerated, in tons, during the previous calendar year.

The permittee also shall submit quarterly deviation (excursion) reports that identify all periods of operation during which the average charge rates exceeded either or both of the limitations specified in Section A.II.1. above, including the actual charge rate(s) for all such periods of operation. The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.

2. Reporting Requirements for Incinerator Temperature Excursions

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.

3. Reporting Requirements for Carbon Monoxide CEM Data

Pursuant to 40 CFR Part 60, section 60.7 and 60.13(h), 40 CFR Part 60, Appendix F and OAC rule 3745-75-05, the permittee shall submit quarterly reports that document all instances of carbon monoxide values in excess of the limitations specified in the terms and conditions of this permit. The permittee shall submit data assessment reports in accordance with 40 CFR Part 60, Appendix F. These reports shall be submitted by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

4. Reporting Requirements for Visible Emission Checks

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 by January 31 and July 31 of each year and shall cover the previous 6-month period.

IV. Reporting Requirements (continued)

5. Reporting Requirements for Emission Test Results

A comprehensive written report on the results of any emission test(s) shall be submitted within 60 days following completion of the test(s).

6. The permittee shall submit annual reports that contain the following information, pursuant to 40 CFR part 62.14463:

6.a 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.

6.b 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.

6.c Identification of calendar days for which emission rates or operating parameters 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.

6.d Identification of calendar days, times and durations of malfinctions, and a description of the malfunction and the corrective actions taken.

6.e Any use of the bypass stack, duration of such use, reason for malfunction, and corrective actions taken.

7. All reports required by this permit shall be submitted to the Cleveland Division of Air Quality, and until a state plan as required by 40 CFR part 60, Subpart Ce is approved and becomes effective, a copy of all reports also must be submitted to the U.S. EPA Region V office.

8. The permittee shall submit reports on a quarterly basis to the Cleveland Division of Air Quality 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.

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:
0.015 grain of PE per dry standard cubic foot of exhaust gases (gr/dscf)

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 or 29.

1.b Emission Limitation:
40 ppm CO, by volume

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10 or 10B.

1.c Emission Limitation:
55 gr/billion dscf of total D/F or 1.0 gr/billion dscf of TEQ

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 23.

V. Testing Requirements (continued)

1.d Emission Limitation:
100 ppm HCl, by volume or 93% reduction

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 26 or 26A.

1.e Emission Limitation:
55 ppm SO2, by volume

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

1.f Emission Limitation:
250 ppm NOx, by volume

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

1.g Emission Limitation:
0.52 gr Pb/1000 dscf or 70% reduction

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.h Emission Limitation:
0.07 gr Cd/1000 dscf or 65% reduction

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.i Emission Limitation:
0.24 gr Hg/1000 dscf or 85% reduction

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.j Emission Limitation:
0.0042 lb/hr of As and compounds

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.k Emission Limitation:
0.0076 lb/hr of Be and compounds

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

V. Testing Requirements (continued)

1.l Emission Limitation:
0.0015 lb/hr of Cr and compounds

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

1.m Emission Limitation:
0.0076 lb/hr of Ni and compounds

Applicable Compliance Method:
Compliance shall be demonstrated through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

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

Applicable Compliance Method:
Compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.o Emission Limitation:
17.52 TPY of HCl emissions

Applicable Compliance Method:
Compliance with the annual limitation shall be assumed as long as compliance with the emission limitation in section A.I.1. is maintained (the annual limitation was established by multiplying the emission limitation established in PTI No.13-1887 (4 lbs HCl/hr) by the potential operating hours of 8760/yr, and then dividing by 2000 lbs/ton).

1.p Emission Limitation:
2.32 TPY of PE

Applicable Compliance Method:
Applicable Compliance Method:
Compliance with the annual limitation shall be assumed as long as compliance with the emission limitation in section A.I.1. is maintained (the annual limitation was established by multiplying the emission limitation established in PTI No.13-1887 (0.1 lb PE/100 lbs charged) by the maximum charge rate of 530 lbs/hr and the potential operating hours of 8760/yr, and then dividing by 2000 lbs/ton).

2. The permittee shall conduct emission testing for this emissions unit in accordance with the following requirements:

2.a The emission testing shall be conducted on an annual basis (no more than 12 months following the previous performance test) as outlined in 40 CFR Part 62.14451(b)(2).

2.b The emission testing shall be conducted to demonstrate compliance for PE, visible PE, CO, D/F, HCl, Pb, Cd, Hg, As, Be, Cr, and Ni. All performance tests must consist of a minimum of three runs under representative operating conditions.The minimum sample time must be 1 hour per test run unless otherwise indicated.

2.c The following test method(s) shall be employed to determine sampling location and gas composition analysis: Method 1,3,3A, or 3B of 40 CFR Part 60, Appendix A.

2.d The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) for PE: Methods 1 through 4 and 5 or 29 of 40 CFR Part 60, Appendix A.

2.e The following test method shall be employed to demonstrate compliance with the visible PE limitation: Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2.f The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s): for CO, Methods 1 through 4 and 10 or 10B of 40 CFR Part 60, Appendix A.

2.g The following test method shall be employed to demonstrate compliance with the allowable mass emission rate(s): for D/F, Methods 1 through 4 and 23 of 40 CFR Part 60, Appendix A. The minimum sample time must be 4 hours per test run. If the permittee selected the toxic equivalency standards of D/F under 40 CFR Part 62.14411, the procedure in 40 CFR Part 62.14452(i) must be followed.

2.h The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s): for HCl, Methods 1 through 4 and 26 or 26A of 40 CFR Part 60, Appendix A. If the permittee selected the percentage reduction standard for HCl under 40 CFR Part 62.14411, the procedure in 40 CFR Part 62.14452(j) must be followed.

2.i The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s): for Pb, Cd, Hg, As, Be, Cr, and Ni, Methods 1 through 4 and 29 of 40 CFR Part 60, Appendix A. If the permittee selected the percentage reduction standard for HCl under 40 CFR Part 62.14411, the procedure in 40 CFR Part 62.14452(k) must be followed.

2.j 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 Cleveland Division of Air Quality. The maximum charge rate is defined in 40 CFR part 62.14490.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Cleveland Division of Air Quality. 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 Cleveland Division of Air Quality's refusal to accept the results of the emission test(s).

Personnel from the Cleveland Division of Air Quality 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 Cleveland Division of Air Quality 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 Cleveland Division of Air Quality.

4. Initial performance testing was conducted for this emissions unit in 10/2001, and the test results showed compliance with the PE, visible PE, CO, HCl, Pb, Cd, Hg, As, Be, Cr, and Ni emission limitations. Since the initial performance testing did not demonstrate compliance with the D/F emission limitation, the permittee must conduct testing for D/F emissions within 3 months after the issuance of this permit.

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.

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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