Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

Part II - Specific Facility Terms and Conditions

a **State and Federally Enforceable Section**

1. None

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Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

b **State Only Enforceable Section**

1. None

Go to Part III for Emissions Unit N001
Go to Part III for Emissions Unit N002

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

Go to the top of this document

Facility ID: 0250000842 Emissions Unit ID: N001 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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
Multichamber controlled air incinerator designed for continuous operation at a rated charge capacity of 1700 pounds per hour. The incinerator is equipped with an enclosed charging system, primary and secondary temperature recorders, bypass stack temperature recorder, carbon monoxide and opacity monitors, and dry scrubbing system pollution control.	OAC 3745-75 PTI No. 02-3403	a. 0.10 lb particulate emissions/100 lbs waste charged b. 4.0 lbs/hr hydrogen chloride or 90% minimum control efficiency, by weight c. 100 ppm by volume, on a dry basis, carbon monoxide, adjusted to 7% oxygen as an hourly average d. 0.0042 lb/hr arsenic and compounds e. 0.0076 lb/hr beryllium and compounds f. 0.010 lb/hr cadmium and compounds g. 0.0015 lb/hr chromium and compounds h. 0.068 lb/hr lead and compounds i. 0.011 lb/hr mercury and compounds j. 0.0076 lb/hr nickel and compounds k. Visible emissions shall not exceed 5% opacity except for 6-minutes in any continuous 60-minute period during which the opacity shall not exceed 10%. Opacity shall be determined according to US EPA Reference Method Nine.

2. **Additional Terms and Conditions**

a. 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 the criteria shall be reincinerated.

b. 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.

c. 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.

d. 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.

e. This incinerator shall be equipped with an air pollution control device designed to reduce hydrogen chloride emissions and provide for continuous compliance with the hydrogen chloride emission limit when the unit is in operation.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

1. The waste material feed rate to this incinerator shall be limited to 1600 pounds per hour.

2. 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.

3. 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 maintain independently the secondary chamber at a temperature of 1800 degrees Fahrenheit until all waste material is completely combusted.

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

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

6. 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.

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

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

9. The permittee shall have this incinerator inspected monthly using preventive maintenance procedures recommended by the equipment manufacturer. Each inspection shall include a written report identifying any needed repairs to the unit. If repairs are needed, the incinerator shall not be operated if the operation would result in any exceedance of the emission limits detailed in this permit. These repairs shall be completed within 30 days of the inspection. If a time period longer than 30 days is needed to complete the repairs, the appropriate Ohio EPA District Office or local air agency shall be notified in writing. This notice shall list the repairs needed and the reason(s) the repairs could not be accomplished within the required time period. All inspection and repair reports shall be kept by the permittee for a period of 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

10. 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.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

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, 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 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. The continuous emissions monitoring system for carbon monoxide shall be designed so that the requirements in 40 CFR Part 60, Appendix F can be achieved.

3. The carbon monoxide continuous emissions monitoring system shall be equipped with an alarm which will indicate whenever concentrations exceed 150 parts per million as an instantaneous measurement.

4. The permittee shall document all instances of carbon monoxide values in excess of the limitations specified in OAC rule 3745-75-02 or any limitations specified in the terms and conditions of this permit.

5. The certified continuous emissions monitoring system for carbon monoxide shall be the means by which compliance with OAC rule 3745-75-02(E) is determined.

6. 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 Regulator Commission.

7. A scale (accurate to within 1 pound) shall be installed near this incinerator to weigh all of the material charged to the unit. A written log shall be kept that records the amount of material charged to this unit on a pounds per hour basis. These records shall be maintained for a period of three years and be available for inspection by the Ohio EPA or its authorized representative at any reasonable time.

8. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13. In addition to demonstrating compliance with the requirements specified in 40 CFR Part 60.13, the continuous opacity monitoring system shall be designed so that a performance audit of the system's operation can be conducted pursuant to the procedures specified in U.S. EPA document 340/1- 83/010, Performance Audit Procedures for Opacity Monitors.

9. The permittee shall document all instances of opacity values in excess of the limitations specified in OAC rule 3745-75-02 or any limitations specified in the terms and conditions of this permit.

10. A logbook shall be maintained for each continuous emissions monitoring system installed on this incinerator to document all activities involving the monitoring systems. Appropriate records should include, as a minimum, preventive maintenance, quality assurance and corrective action activities. The logbook shall be kept on file for a period of 5 years and shall be made available for inspection by the Director or the Director's authorized representatives at any reasonable time.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

1. Reporting Requirements for the Amount of Waste Incinerated

The permittee shall submit annual reports which provide the following information for the previous calendar year:

a. the total amount of infectious waste incinerated, in tons; and

b. an identification of all hours of operation during which the charge rate exceeded the incinerator's allowed capacity, including the actual charge rates for all such hours of operation.

These reports shall be submitted by January 31 of each year. If the incinerator did not operate during the previous year, this shall be stated in the annual report.

2. Reporting Requirements for Temperature Excursions

The permittee shall submit deviation (excursion) reports which provide the following information for each period during which the primary or secondary combustion chamber exhaust gas temperatures fall below the applicable limitations:

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.

This report shall be sent to the appropriate Ohio EPA District Office within 45 days of the excursion.

3. Reporting Requirements for Opacity and Carbon Monoxide CEM Data

a. Pursuant to 40 CFR Part 60, section 60.7 and 60.13(h), and OAC rule 3745-75-05, the permittee shall submit quarterly reports which document all instances of opacity values in excess of the limitations specified in the terms and conditions of this permit. These quarterly excess emissions reports shall be submitted by January 30, April 30, July 30 and October 30 of each month and shall address the data obtained during the previous calendar quarters.

b. 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 also submit quarterly reports which 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 quarterly excess emissions reports and data assessment reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar quarters.

4. Reporting Requirements for Emission Test Results

A comprehensive written report on the results of any emission test(s) shall be submitted within 30 days following completion of the test(s).

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. **Testing Requirements**

1. The permittee shall conduct annual performance tests to demonstrate compliance with the allowable mass emissions rates or control efficiency rate as specified in OAC rule 3745-75- 02(A) through (F), as applicable, for particulates, hydrogen chloride, carbon monoxide, arsenic, beryllium, cadmium, chromium, lead, mercury, and nickel. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-75-06; 40 CFR Part 60, Appendix A, Methods 1-5, 10, 26; 40 CFR Part 266, Appendix IX, section 3 (will be 40 CFR Part 60, Method 29); and 40 CFR Part 61, Appendix B, Method 101A. The test(s) shall be conducted under maximum charging rates unless otherwise specified or approved by the Ohio EPA.

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

2. Recertification Testing Requirements for CEMS

   (a) The permittee shall recertify the carbon monoxide continuous emissions monitoring system on an annual basis in conjunction with the annual Relative Accuracy Test Audit (RATA) required by 40 CFR Part 60, Appendix F. The methods and procedures for recertification shall be in accordance with 40 CFR Part 60, Appendix B, Performance Specification 4.

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

   (b) The permittee shall recertify the continuous opacity monitoring system for this incinerator on an annual basis. The methods and procedures for recertification shall be in accordance with 40 CFR Part 60, Appendix B, Performance Specification 1, section 7.

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

Go to the top of this document
Go to the top of Part III for this Emissions Unit
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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

Go to the top of this document

Facility ID: 0250000842 Emissions Unit ID: N001 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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
Multichamber controlled air incinerator designed for continuous operation at a rated charge capacity of 1700 pounds per hour. The incinerator is equipped with an enclosed charging system, primary and secondary temperature recorders, bypass stack temperature recorder, carbon monoxide and opacity monitors, and dry scrubbing system pollution control.	OAC 3745-75	Particulate 7.45 tons per year
	PTI No. 02-3403	HCl 17.5 tons per year

2. **Additional Terms and Conditions**

   1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

   1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. **Monitoring and/or Record Keeping Requirements**

   1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

   1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. **Testing Requirements**

   1. The permitee shall determine compliance with the above tons per year limits by multiplying actual emission rates in pounds per hour, determined by annual emission testing, by the actual hours of operation per year, and dividing by 2000.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. **Miscellaneous Requirements**

   1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

Go to the top of this document

Facility ID: 0250000842 Emissions Unit ID: N002 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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
Multichamber controlled air incinerator designed for continuous operation at a rated charge capacity of 1700 pounds per hour. The incinerator is equipped with an enclosed charging system, primary and secondary temperature recorders, bypass stack temperature recorder, carbon monoxide and opacity monitors, and dry scrubbing system pollution control.	OAC 3745-75 PTI No. 02-4171	a. 0.10 lb particulate emissions/100 lbs waste charged b. 4.0 lbs/hr hydrogen chloride or 90% minimum control efficiency, by weight c. 100 ppm by volume, on a dry basis, carbon monoxide, adjusted to 7% oxygen as an hourly average d. 0.0042 lb/hr arsenic and compounds e. 0.0076 lb/hr beryllium and compounds f. 0.010 lb/hr cadmium and compounds g. 0.0015 lb/hr chromium and compounds h.0.068 lb/hr lead and compounds i. 0.011 lb/hr mercury and compounds j. 0.0076 lb/hr nickel and compounds k. Visible emissions shall not exceed 5% opacity except for 6-minutes in any continuous 60-minute period during which the opacity shall not exceed 10%. Opacity shall be determined according to US EPA Reference Method Nine.

2. **Additional Terms and Conditions**

a. 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 the criteria shall be reincinerated.

b. 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.

c. 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.

d. 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.

e. This incinerator shall be equipped with an air pollution control device designed to reduce hydrogen chloride emissions and provide for continuous compliance with the hydrogen chloride emission limit when the unit is in operation.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

1. The waste material feed rate to this incinerator shall be limited to 1600 pounds per hour.

2. 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.

3. 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 maintain independently the secondary chamber at a temperature of 1800 degrees Fahrenheit until all waste material is completely combusted.

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

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

6. 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.

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

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

9. The permittee shall have this incinerator inspected monthly using preventive maintenance procedures recommended by the equipment manufacturer. Each inspection shall include a written report identifying any needed repairs to the unit. If repairs are needed, the incinerator shall not be operated if the operation would result in any exceedance of the emission limits detailed in this permit. These repairs shall be completed within 30 days of the inspection. If a time period longer than 30 days is needed to complete the repairs, the appropriate Ohio EPA District Office or local air agency shall be notified in writing. This notice shall list the repairs needed and the reason(s) the repairs could not be accomplished within the required time period. All inspection and repair reports shall be kept by the permittee for a period of 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

10. 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.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the primary combustion exhaust gas temperature, the secondary combustion exhaust gas temperature, and the bypass stack temperature (if applicable) when the incinerator is in operation. Units shall be in degrees Fahrenheit. Accuracy for each thermocouple, 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 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. The continuous emissions monitoring system for carbon monoxide shall be designed so that the requirements in 40 CFR Part 60, Appendix F can be achieved.

3. The carbon monoxide continuous emissions monitoring system shall be equipped with an alarm which will indicate whenever concentrations exceed 150 parts per million as an instantaneous measurement.

4. The permittee shall document all instances of carbon monoxide values in excess of the limitations specified in OAC rule 3745-75-02 or any limitations specified in the terms and conditions of this permit.

5. The certified continuous emissions monitoring system for carbon monoxide shall be the means by which compliance with OAC rule 3745-75-02(E) is determined.

6. 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 Regulator Commission.

7. A scale (accurate to within 1 pound) shall be installed near this incinerator to weigh all of the material charged to the unit. A written log shall be kept that records the amount of material charged to this unit on a pounds per hour basis. These records shall be maintained for a period of three years and be available for inspection by the Ohio EPA or its authorized representative at any reasonable time.

8. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13. In addition to demonstrating compliance with the requirements specified in 40 CFR Part 60.13, the continuous opacity monitoring system shall be designed so that a performance audit of the system's operation can be conducted pursuant to the procedures specified in U.S. EPA document 340/1- 83/010, Performance Audit Procedures for Opacity Monitors.

9. The permittee shall document all instances of opacity values in excess of the limitations specified in OAC rule 3745-75-02 or any limitations specified in the terms and conditions of this permit.

10. A logbook shall be maintained for each continuous emissions monitoring system installed on this incinerator to document all activities involving the monitoring systems. Appropriate records should include, as a minimum, preventive maintenance, quality assurance and corrective action activities. The logbook shall be kept on file for a period of 5 years and shall be made available for inspection by the Director or the Director's authorized representatives at any reasonable time.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

1. Reporting Requirements for the Amount of Waste Incinerated

The permittee shall submit annual reports which provide the following information for the previous calendar year:

a. the total amount of infectious waste incinerated, in tons; and

b. an identification of all hours of operation during which the charge rate exceeded the incinerator's allowed capacity, including the actual charge rates for all such hours of operation.

These reports shall be submitted by January 31 of each year. If the incinerator did not operate during the previous year, this shall be stated in the annual report.

2. Reporting Requirements for Temperature Excursions

The permittee shall submit deviation (excursion) reports which provide the following information for each period during which the primary or secondary combustion chamber exhaust gas temperatures fall below the applicable limitations:

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.

This report shall be sent to the appropriate Ohio EPA District Office within 45 days of the excursion.

3. Reporting Requirements for Opacity and Carbon Monoxide CEM Data

a. Pursuant to 40 CFR Part 60, section 60.7 and 60.13(h), and OAC rule 3745-75-05, the permittee shall submit quarterly reports which document all instances of opacity values in excess of the limitations specified in the terms and conditions of this permit. These quarterly excess emissions reports shall be submitted by January 30, April 30, July 30 and October 30 of each month and shall address the data obtained during the previous calendar quarters.

b. 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 also submit quarterly reports which 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 quarterly excess emissions reports and data assessment reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar quarters.

4. Reporting Requirements for Emission Test Results

A comprehensive written report on the results of any emission test(s) shall be submitted within 30 days following completion of the test(s).

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. **Testing Requirements**

1. The permittee shall conduct annual performance tests to demonstrate compliance with the allowable mass emissions rates or control efficiency rate as specified in OAC rule 3745-75- 02(A) through (F), as applicable, for particulates, hydrogen chloride, carbon monoxide, arsenic, beryllium, cadmium, chromium, lead, mercury, and nickel. The emissions test(s) shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-75-06; 40 CFR Part 60, Appendix A, Methods 1-5, 10, 26; 40 CFR Part 266, Appendix IX, section 3 (will be 40 CFR Part 60, Method 29); and 40 CFR Part 61, Appendix B, Method 101A. The test(s) shall be conducted under maximum charging rates unless otherwise specified or approved by the Ohio EPA.

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

2. Recertification Testing Requirements for CEMS

(a) The permittee shall recertify the carbon monoxide continuous emissions monitoring system on an annual basis in conjunction with the annual Relative Accuracy Test Audit (RATA) required by 40 CFR Part 60, Appendix F. The methods and procedures for recertification shall be in accordance with 40 CFR Part 60, Appendix B, Performance Specification 4.

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

(b) The permittee shall recertify the continuous opacity monitoring system for this incinerator on an annual basis. The methods and procedures for recertification shall be in accordance with 40 CFR Part 60, Appendix B, Performance Specification 1, section 7.

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

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. **Miscellaneous Requirements**

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0250000842 Issuance type: Title V Preliminary Proposed Permit

Go to the top of this document

Facility ID: 0250000842 Emissions Unit ID: N002 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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
Multichamber controlled air incinerator designed for continuous operation at a rated charge capacity of 1700 pounds per hour. The incinerator is equipped with an enclosed charging system, primary and secondary temperature recorders, bypass stack temperature recorder, carbon monoxide and opacity monitors, and dry scrubbing system pollution control.	OAC 3745-75	Particulate 7.45 tons per year
	PTI No. 02-4171	HCl 17.5 tons per year

2. **Additional Terms and Conditions**

1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. **Operational Restrictions**

1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

III. **Monitoring and/or Record Keeping Requirements**

1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

1. None

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

V. **Testing Requirements**

1. The permitee shall determine compliance with the above tons per year limits by multiplying actual emission rates in pounds per hour, determined by annual emission testing, by the actual hours of operation per year, and dividing by 2000.

Go to the top of this document
Go to the top of Part III for this Emissions Unit
THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

VI. **Miscellaneous Requirements**

1. None