Ohio EPA
State of Ohio Environmental Protection Agency

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

Date of Issuance 10/15/93 Application No. 15761300018N003

Effective Date 10/15/93 Permit Fee $210

This document constitutes issuance to:

MASSILLON COMMUNITY HOSPITAL
875-8TH ST NE
MASSILLON OHIO 44646

of a permit to operate for:

250 LBS/HR INFECTIOUS WASTE INCINERATOR
COMTRO INCINERATOR

The following terms and conditions are hereby expressly incorporated into this permit to operate:

1. This permit to operate shall be effective until 10/15/96
   You will be contacted approximately six months prior to this date regarding the renewal of this permit. If you are not contacted, please write to the appropriate Ohio EPA field office.
2. The above-described source is and shall remain in full compliance with all applicable State and federal laws and regulations and the terms and conditions of this permit.
3. Prior to any modification of this source, as defined in rule 3745-31-01 of the Ohio Administrative Code (OAC), a permit to install must be granted by the Ohio EPA pursuant to OAC Chapter 3745-31.
4. The Director of the Ohio EPA or an authorized representative may, subject to the safety requirements of the permit holder, enter upon the premises of this source at any 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 and federal air pollution laws and regulations and the terms and conditions of this permit.
5. A permit fee in the amount specified above must be remitted within 15 days from the issuance date of this permit.
6. Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA field office must be notified in writing of any transfer of this permit.
7. This source and any associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices in order to minimize air contaminant emissions. Any malfunction of this source or any associated air pollution control system(s) shall be reported immediately to the appropriate Ohio EPA field office in accordance with 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 this source.
8. Any unauthorized or emergency release of an air contaminant from this source which, due to the toxic or hazardous nature of the material, may pose a threat to public health, or otherwise endanger the safety or welfare of the public, shall be reported immediately to the appropriate Ohio EPA field office (during normal business hours) or to the Ohio EPA's Emergency Response Group (1-800-282-9378). (Additional reporting may be required pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act.)
9. The appropriate Ohio EPA field office is:
   AIR POLLUTION CNTRL DIV. CANTON CITY HEALTH DEPT. -
   CITY HALL 420 MARKET AVE. NORTH
   CANTON, OH 44702-1544 (216)-489-3385
10. [X] If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Donald R. Schregardus

Director

EPA 3604
Revised 9-90

APPLICATION NUMBER: 15 76 13 0018 N003

FACILITY NAME: MASSILLON COMMUNITY HOSPITAL

EQUIPMENT DESCRIPTION: 250 LBS/HR INFECTIOUS WASTE INCINERATOR

COMPANY ID: COMTRO INCINERATOR

SPECIAL TERMS AND CONDITIONS

1. Applicable State Regulation(s)

   The following rules of the Ohio Administrative Code establish the applicable emission limitations and/or control requirements for this source:

   3745-45 PS 4/3/95 Should be

   (This condition in no way limits the applicabilit OAC 3745-75 the Ohio Administrative Code to this source.)

2. Emissions of metals from this incinerator shall not exc

   (1) Arsenic and Compounds - 0.0042 Pounds Per Hour
   (2) Beryllium and Compounds - 0.0076 Pounds Per Hour
   (3) Cadmium and Compounds - 0.010 Pounds Per Hour
   (4) Chromium and Compounds - 0.0015 Pounds Per Hour
   (5) Lead and Compounds - 0.068 Pounds Per Hour
   (6) Mercury and Compounds - 0.011 Pounds Per Hour
   (7) Nickel and Compounds - 0.0076 Pounds Per Hour

3. Particulate emissions shall not exceed 0.10 pound of particulates per 100 lbs. of waste charged for any incinerator with a capacity equal to or greater than 100 lbs. of waste per hour but less than 1,800 lbs. of waste per hour.

4. Hydrogen chloride emissions from any incinerator shall not exceed 4 lbs. per hour unless the emission has been reduced by control equipment having a minimum control efficiency of 90% by weight for hydrogen chloride.

5. Carbon monoxide emissions from any incinerator shall not exceed one hundred parts per million, by volume, on a dry basis, adjusted to 7% oxygen in the exhaust stream as an hourly average.

6. Visible particulate emissions form these units shall not exceed 5% opacity except for 6 minutes in any continuous 60-minute period during which opacity shall not exceed 10%. Opacity shall be determined by the United States Environmental Protection Agency Method 9.

7. Combustion Chamber Limitations

This infectious waste incinerator shall be designed, built and operated with a primary and secondary combustion chamber with primary and secondary burners. The primary combustion chamber shall be maintained so that the exit gas is a minimum temperature of 1200°F. The secondary combustion chamber shall provide at least 2 seconds of retention time at a temperature not less than 1800°F.

8. Design and Operating Restrictions

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

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

During shutdowns, the secondary chamber shall be maintained at a minimum temperature of 1800°F until the wastes are completely combusted and the burn-down cycle is complete.

The owner or operator of any this incinerator shall not intentionally dispose of the following items by burning in the incinerator:

(1) visible globules of mercury; and
(2) thermometers containing mercury; and
(3) nickel-cadmium batteries.

The source owner shall have the unit inspected monthly using preventive maintenance procedures recommended by the equipment manufacturer. The inspection shall include a written report containing any needed repairs to the unit. The incinerator in need of repairs shall not be operated if the operation results in any exceedance of the emissions 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 Central District Office shall be notified in writing. This notice shall list the repairs needed and the reason(s) the repairs could not be accomplished sooner. All inspection and repair reports shall be kept by the source owner for a period of three (3) years and made available to the Ohio EPA upon request.

9. Batch Incinerator Lockout System

This incinerator shall be equipped and operated with a lockout system that will prevent the ignition of waste until the exit gas temperature of the secondary chamber reaches 1800°F and will prevent recharging until the combustion and burn-down cycles are complete.

10. Operator Training Requirements

This incinerator is to be operated only by properly trained personnel. A minimum of forty 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 in the operation and maintenance of hospital medical waste incinerators developed

by the Control Technology Center, USEPA, 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 and be immediately available to the Ohio EPA personnel upon request.

11. Temperature Restrictions, Monitoring, Recording and Reporting

The primary combustion chamber shall be maintained so that the exit gas is at a minimum of 1200°F. The secondary combustion chamber shall operate so that the exit gas is at a minimum of 1800°F.

This facility shall operate and maintain a continuous temperature monitor and recorder which measures and records the primary combustion temperature, the secondary combustion temperature and the bypass stack temperature (if applicable) when the incinerator is in operation. The temperature monitors and recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturers's recommendations, instructions and operating manuals.

A quarterly operation temperature report is to be submitted by this facility to the Ohio EPA field office. The operating temperature report shall contain as a minimum, the date, time of occurrence, cause, explanation and action taken for any temperature variations below combustion temperature requirements as described above.

This report shall be submitted by February 1, May 1, August 1, and November 1 of each year and shall address the data obtained during previous calendar quarters (October through December, January through March, April through June, and July through September, respectively).

12. Infectious Waste Scale Requirements

This facility shall install and operate a scale (accurate to within one pound) to weigh all material charged to the incinerator. A written log shall be kept that records the amount of material charged to this incinerator on a pounds per hour basis or a pounds per batch basis.

These records shall be maintained for a period of three years and be available for inspection by the Ohio EPA or its authorized representatives at any reasonable time.

13. Stack Test Requirements

Within 6 months prior to the expiration of this permit, this facility shall conduct, or have conducted, an emission test(s) for this source in order to demonstrate compliance with the allowable mass emission rate for particulates, hydrogen chloride, carbon monoxide, arsenic, beryllium, cadmium, chromium, lead, mercury, and nickel. The emission test(s) shall be conducted in accordance with the test methods and procedures specified by the Ohio EPA. The test(s) shall be conducted under maximum production rates unless otherwise specified or approved by the Ohio EPA.

Not later than 30 days prior to the proposed test date(s), this facility shall submit an "Intent to Test" notification to the Canton City Health Department, Division of Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such

notification for review and approval prior to the test(s) may result in the field office's refusal to accept the results of the emission test(s).

Personnel from the Canton City Health Department, Division of Air Pollution Control shall be permitted to witness the test(s), examine the testing equipment and acquire data and information regarding the source operating parameters.

A comprehensive written report on the results of the emission test(s) shall be submitted to the Canton City Health Department, Division of Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702, within 30 days following completion of the test(s).

14. All off-site facilities or facilities that possess a license from the United States Nuclear Regulatory Commission to use radioactive materials or that use radioactive materials and operate an infectious waste incinerator shall install, maintain and operate a radioactivity monitor and alarm. The radioactivity monitor shall be installed to monitor all infectious waste prior to combustion.

15. This incinerator is limited to burning of on-site generated waste only.

16. This incinerator is limited to burning 250 lbs. of waste per hour.

PREPARED BY: DANIEL J. SCHILTZ

DATE PREPARED: SEPTEMBER 10, 1993

T&C\DS0910MC.TL