

**PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE**

Date of Issuance 02/17/95

Application No. 0250110501N002

Effective Date 02/17/95

Permit Fee \$000

This document constitutes issuance to:

YOUNGSTOWN WASTEWATER TREATMENT PLANT  
725 POLAND AVE.  
YOUNGSTOWN OHIO 44502

of a permit to operate for:

NICHOLS HERRESHOFF 7 HEARTH SLUDGE INCINERATOR  
SLUDGE INCINERATOR NO. 2 - SOUTH - #A47069

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

1. This permit to operate shall be effective until 02/16/98  
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:  
OHIO EPA, NORTHEAST DISTRICT OFFICE (DAPC)  
AIR POLLUTION GROUP 2110 E. AURORA RD.  
TWINSBURG, OH 44087 (216) 425-9171
10.  If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY



Director

APPLICATION NUMBER: 02 50 11 0501 N002  
FACILITY NAME: YOUNGSTOWN WASTEWATER TREATMENT FACILITY  
EQUIPMENT DESCRIPTION: NICHOLS HERRISHOFF SLUDGE INCINERATOR  
COMPANY ID: INCINERATOR NO. 2 - SOUTH - #A47069

#### SPECIAL TERMS AND CONDITIONS

(1) Applicable Rules

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

OAC Rule 3745-17-07  
OAC Rule 3745-17-09

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

(2) Allowable Mass Emission Limitations

The mass emissions from this source shall not exceed the following:

0.1 pounds of particulate matter per 100 pounds of dry waste material charged.

(3) Visible Emission Limitation

This source shall not discharge into the ambient air any particulate emissions of a shade or density greater than twenty percent (20%) opacity, except for not more than six (6) consecutive minutes in any sixty (60) minutes when particulate emissions of a shade or density not greater than sixty percent (60%) opacity may be discharged.

(4) Operational Parameters

- a. The waste material feed rate of this unit shall be limited to 4,000 pounds of dry waste material per hour.
- b. The venturi scrubbing system shall be operated at all times when the incinerator is being used for the disposal of waste material.
- c. Youngstown shall operate and maintain scales, flow measuring devices, hearth temperature monitoring equipment, and other facilities required to monitor and record continually the feed rate, operating temperatures, and sludge content (percent solids).

- d. Youngstown shall monitor and record (i) pressure drop of gas flow through the scrubber system; and (ii) liquid or water flow rate through scrubber system, on a regular schedule, and maintain these records.
- e. The recorded data listed above shall be maintained at the facility for a period of two years and shall be available for review by the Director of the Ohio EPA or his representatives.

(5) Stack Test Requirements for Particulate Emissions

Within one (1) year prior to the expiration of this permit this facility shall conduct, or have conducted, an emission test for this source in order to demonstrate compliance with the allowable mass emission rate for particulates. The emission test shall be conducted in accordance with the test methods and procedures specified in OAC Rule 3745-17-03.

Not later than thirty (30) days prior to the proposed test date, this facility shall submit an "Intent to Test Notification" to the Ohio EPA field office. The "Intent to Test Notification" shall describe in detail the proposed test methods and procedures, the source operating parameters, the times and dates of the test, and the person who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the field office's refusal to accept the results of the emission test.

Personnel from the Ohio EPA field office shall be permitted to witness the test, examine the testing equipment, and acquire data and information regarding the operating parameters.

A comprehensive written report on the results of the emission test shall be submitted to the Ohio EPA field office within thirty (30) days following completion of the test.

(6) Air Pollution Control Equipment Maintenance/Malfunctions/Reporting

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminants.

Any malfunction of this source and its associated air pollution control system(s) shall be reported immediately to the Ohio EPA field office and the Mahoning-Trumbull Air Pollution Control Agency in accordance with OAC Rule 3745-15-06.

Except as provided by OAC Rule 3745-15-06, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of the air pollution control equipment shall be accompanied by the shutdown of this source.

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(7) Identification of the Ohio EPA Field Office Which Must Receive Reports,  
Test Results, Notifications, etc.

Unless otherwise specified, all reports, test results, notifications, etc., required by the above terms and conditions shall be submitted to or made to the following Ohio EPA field office:

Ohio Environmental Protection Agency  
Northeast District Office  
2110 East Aurora Road  
Twinsburg, OH 44087  
Telephone: (216) 963-1200

Prepared By: Robert Goulish  
Date Prepared: October 21, 1994