



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149

O.E.P.A.
S.E.D.O.

1989 OCT 10 PM 3:07

Richard F. Celeste
Governor

CORRECTED COPY

Re: Permit to Install
MUSKINGUM County
Application No. 06-2424
TOXIC REVIEW

CERTIFIED MAIL

AUGUST 23, 1989

BURNHAM CORP.
PAUL REA
P. O. BOX 2398
ZANESVILLE, OH 43702-2398

Dear Sir:

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Board of Review pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager
Field Operations Section
Division of Air Pollution Control

cc: US EPA

SOUTHEAST DISTRICT OFFICE

Permit to Install Terms and Conditions

Application No. 06-2424
APS Premise No. 0660010101
Permit Fee: \$3,120.00

Name of Facility: BURNHAM CORP

Person to Contact: PAUL REA

Address: P.O. BOX 2398
ZANESVILLE, OH 43702-2398

Location of proposed source(s): LICKING RD
FALLS TWP, OHIO

Description of proposed source(s): NO BAKE MOLDING UNIT & ISOCURE CORE
UNIT.

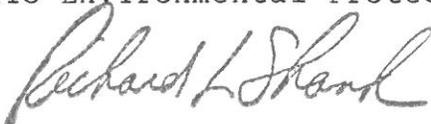
Date of Issuance: AUGUST 23, 1989

Effective Date: AUGUST 23, 1989

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

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Substantial construction for installation must take place within eighteen months of the effective date of this permit. This deadline may be extended by up to twelve months, if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, examining records or reports pertaining to the construction, modification or installation of the above described source of environmental pollutants.

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

The specified permit fee must be remitted within 15 days of the effective date of this permit to install.

The proposed source shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for Burnham Corp. located in Muskingum County. The sources listed below shall not exceed the emission limits/control requirements contained in the following table:

<u>Ohio EPA Source No.</u>	<u>Source Identification</u>	<u>BAT Determination</u>	<u>Applicable Ohio EPA rule</u>	<u>Allowable Emissions (lb/hr, lb/MMBTU, gr/DSCF, etc.)</u>
F013	No bake molding unit-mold sand preparation & mold make-up	Use of no-bake molds & collection & control by baghouse	3745-31-05	0.03 gr/dscf

<u>Ohio EPA Source No.</u>	<u>Source Identification</u>	<u>BAT Determination</u>	<u>Applicable Ohio EPA rule</u>	<u>Allowable Emissions (lb/hr, lb/MMBTU, gr/DSCF, etc.)</u>
F014	No bake molding unit-casting shakeout	Use of no-bake molds & collection & control by baghouse	3745-31-05	0.03 gr/dscf
F015	No bake molding unit-pouring molten metal	Use of no-bake molds	3745-31-05	N/A
F016	Isocure core unit	Fume scrubber preceded by sand trap	3745-31-05	0.05 lb/hr Triethylamine

SUMMARY
 TOTAL NEW SOURCE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate	2.15
Triethylamine	0.20

This condition in no way limits the applicability of any other state or federal regulation.

CONSTRUCTION STATUS

The Southeast District Office shall be notified in writing as to (a) the construction starting date (b) the construction completion date and (c) the date the facilities were placed into operation.

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report shall be submitted and signed by the person responsible for the test, describing the test procedures followed and the results of such tests. The Director or an Ohio EPA representative shall be allowed to witness the tests, examine testing equipment and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made thirty (30) days in advance and shall specify the source operating parameters, the proposed test procedures and the time, date, place and person(s) conducting such tests.

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- B. Two copies of the test results shall be submitted within thirty (30) days after the completion of the performance test.
- C. Tests shall be performed for the following sources and pollutants:
Isocure core unit - triethylamine

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the sources.

REPORTING

Any reports required by the Permit to Install shall be submitted to Southeast District Office, 2195 Front St., Logan, Ohio 43138.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source are subject to public disclosure in accordance with OAC Rule 3745-49-03.

MALFUNCTION/ABATEMENT

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 contaminant emissions.

In accordance with OAC Rule 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the Southeast District Office. Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment, that requires the shutdown or bypassing of said equipment, must be accompanied by the shutdown of the associated air pollution sources.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Monitoring Requirements

Equipment shall be provided on the isocure cure line scrubbing system that monitors the pH of the scrubbing liquor and the level of the liquor in the sump. Visual and audio alarms shall be provided such that excursions above normal pH levels or liquid levels below normal levels can be detected and corrected by immediate adjustment of the control system or shutdown of the source.

2. Division of Water Pollution Control

- A. The wastewater discharge from the proposed packed tower amine gas scrubber must be discharged to and treated at the wastewater treatment facility. Based on the projected, maximum production rate, 440 gallons of water and amine salt solution will be discharged every ten (10) production days.
- B. No liquids, sludges, or toxic or hazardous substances other than those set forth in the approved permit shall be accepted for disposal without the prior written approval of the Ohio Environmental Protection Agency.
- C. The wastewater treatment facility is currently under construction (PTI application 06-1872, issued May 12, 1987). Construction of any wastewater treatment works shall be completed and operation of the facility approved by Ohio Environmental Protection Agency before wastewater is generated by the applicant or is discharged to the wastewater disposal system.
- D. The Southeast District Office of the Ohio Environmental Protection Agency shall be notified, in writing, as to the date this wastewater disposal system was placed into operation.