



State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

Re: Permit to Install
Richland County
Application No: 03-9927

CERTIFIED MAIL

October 17, 1996

KRONIS COATINGS
DOUG FULK
150 E LONGVIEW
MANSFIELD, OH 44906

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.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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 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 & Permit Section
Division of Air Pollution Control

cc: US EPA
NORTHWEST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director



Permit to Install Terms and Conditions

Application No. 03-9927
APS Premise No. 0370010179
Permit Fee: \$100.00

Name of Facility: KRONIS COATINGS

Person to Contact: DOUG FULK

Address: 150 E LONGVIEW
MANSFIELD, OH 44906

Location of proposed source(s): 1575 W LONGVIEW
MANSFIELD, OHIO

Description of proposed source(s):
10 LBS/HR PAINT BURN OFF PYROLYSIS FURNACE W/AFTERBURNER.

Date of Issuance: October 17, 1996

Effective Date: October 17, 1996

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

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 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.

NOTICE OF INSPECTION

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, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) 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.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons)

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may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

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.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for KRONIS COATINGS located in Richland County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
N001	94 lbs/hr controlled pyrolysis paint burn off oven	Compliance with terms and conditions in this permit and use of afterburner	3745-31-05 3745-17-09 3745-17-07 3745-23-06 3745-18-06	0.2 lb PM/100 lbs charged (0.18 lb PM/hr) <0.1 lb NO _x /hr <0.1 lb SO ₂ /hr <0.1 lb VOC/hr

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	0.82
NO _x	<0.44
SO ₂	<0.44
VOC	<0.44

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to OEPA Northwest District Office - DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

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.

MAINTENANCE OF EQUIPMENT

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.

MALFUNCTION/ABATEMENT

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 OEPA Northwest District Office - DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

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 air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Applicable Emission Limitations and/or Control Requirements

1. Particulate matter (PM) emissions from emissions unit (EU) N001 shall not exceed 0.20 lb/100 lbs of liquid, semi-solid or solid refuse and salvageable material charged. This equates to 0.18 lb/hr and 0.82 ton/year at the unit's maximum design capacity.

2. Visible particulate emissions from EU N001 shall not exceed 5 per cent opacity except for six minutes in any continuous sixty minute period during which opacity shall not exceed 10 per cent. Opacity shall be determined by USEPA Method 9.

B. Operational Restrictions

1. The EU, a Controlled Pyrolysis burn-off oven, shall be installed, operated and maintained in accordance with the manufacturer's specifications. The permittee shall not change any of the manufacturer's factory preset parameters for the oven, or physically modify the oven in any way, without first verifying, with the manufacturer, that the change(s) would not adversely affect air contaminant emissions from the unit.
2. The air contaminant control device for this EU shall be designed and operated in accordance with the following requirements:
 - a. the secondary combustion chamber shall be operated so that the exit gas temperature from the chamber is, at a minimum, 1400 degrees Fahrenheit, taking into account normal start-up procedures; and
 - b. the secondary combustion chamber shall allow for a minimum 1/2-second retention time at 1400 degrees Fahrenheit, taking into account normal start-up procedures.
3. The permittee shall adhere to the manufacturer's recommendations pertaining to the operation of this oven and shall comply with the following operational restrictions:
 - a. the permittee shall ensure that the burn-off oven is operated only by properly trained personnel who have read, and understand, the oven's operational manual;
 - b. prior to start-up of the oven, the permittee shall remove ash residue left inside the oven after the previous burn cycle;
 - c. during the automatic "water spray check" which is an integral part of the unit's start-up sequence, the operator shall verify that the water spray is functional. If the water spray is not adequate or the nozzles are plugged, the permittee shall shut down the oven and take the appropriate steps necessary to fix the problem before restarting the unit;

- d. the permittee shall not operate the oven if the built-in safeguards and interlocks (oven excess temperature, afterburner excess temperature, low gas pressure switch, high gas pressure switch, and low water pressure switch) are not operating properly; and
 - e. the permittee shall not process uncured paint or paint sludge, paint filters, pvc, lead, plastisols, rubber coated material, oil, wood, grease, trash, magnesium, or any hazardous waste materials as defined in 40 CFR Part 261, Subpart D in this oven. Coating that may contain chlorine (PVC), fluorine (teflon), or elements other than carbon, hydrogen, and oxygen are also prohibited from being burned in this oven.
4. The permittee shall not allow the operation of EU N001 to cause a public nuisance in violation of OAC 3745-15-07.

C. Monitoring and/or Recordkeeping Requirement

1. The permittee shall properly operate and maintain the monitoring devices associated with the oven's safeguards and interlock system. (See condition (B) (3) (d) above.)
2. The permittee shall maintain an operation/maintenance log for the EU. The log, at a minimum, shall contain the following information:
 - a. the dates the EU was operated;
 - b. the number of batches processed for each date the EU was operated;
 - c. the date of any malfunction of the EU's water spray system and/or safeguards/interlocks (see conditions (B) (3) (c) and (d) above), the corrective action taken, and the date it was completed; and
 - d. the dates and descriptions of any additional maintenance activities performed on the EU.

The logbook shall be kept on file for a period of five years and shall be made available for inspection by the Director or the Director's authorized representatives at any reasonable time.

D. Reporting Requirement

See the "Malfunction/Abatement Requirements" of this permit.