

4079

PERMITS TO OPERATE

01/11/93

OEPA/DOE-FN

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LETTER



State of Ohio Environmental Protection Agency

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

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RE: NOTICE OF EXPIRATION
OF PERMIT(S) TO OPERATE

1431110128
U.S. DEPT OF ENERGY-FERNALD E. BEHRAM SHROFF
P.O. BOX 398705
CINCINNATI OH 45239
January 11, 1993

The Permit(s) to Operate described in the enclosed attachment(s) will expire on the date(s) shown. Pursuant to Rule 3745-35-02 of the Ohio Administrative Code, renewal application(s) must be filed with the field office if this (these) source(s) are to continue in operation. Please be sure to notify the field office if these sources are shut down or out of service so they can be removed from active status.

Each expiring Permit to Operate is listed on the attached form by application number, expiration date and description and identification of the source. In addition, the name and location of your facility and the person-to-contact and his mailing address are shown. If any of this information is incorrect, please indicate the corrections on the enclosed renewal application form(s).

You are hereby advised that pursuant to Section 3745.11 of the Ohio Revised Code, effective November 15, 1981, a non-refundable application fee in the amount of \$15.00 must accompany each application for a Permit to Operate or Variance.

We request that you complete the enclosed appendix(ces) as appropriate for each source, as well as the application form(s). One appendix and one application form are to be completed for each expiring Permit to Operate. Additional copies of these forms may be made by you as necessary.

Please return your remittance, the application fee card, and the completed application form(s) and appendix(ces) within thirty (30) working days of receipt of this letter to the field office as shown on the attachment.

All documents should be submitted and questions directed to the field office to which you submitted your original application. **DO NOT RETURN THESE DOCUMENTS TO CENTRAL OFFICE.**

Very truly yours,

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

TGR/tkb

Submit Application FEE

NOTICE OF EXPIRATION
SEE ATTACHED LETTER FOR EXPLANATION

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U.S. DEPT OF ENERGY-FERNALD ENVR MANAGEM
WILLEY ROAD
FERNALD OHIO 45239

BEHRAM SHROFF
U.S. DEPT OF ENERGY-FERNALD ENVR MANAGEM
P.O. BOX 398705
CINCINNATI OHIO 45239

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APPLICATION NO.	1431110128	EXPIRATION DATE	06/28/93
SOURCE	EQUIPMENT DESCRIPTION	APPENDIX	
	COMPANY IDENTIFICATION FOR EQUIPMENT		
P013	MACHINE LATHES W/ FABRIC FILTER PLANT #9: 9-007, 9-008, 9-009, 9-013, 9-014,	A	

MAIL APPLICATION AND APPLICATION FEE TO:

SOUTHWESTERN OHIO AIR POLLUTION CONTROL AGENCY
1632 CENTRAL PKWY. CINCINNATI, OH 45210
(513) 651-9437

DO NOT RETURN TO CENTRAL OFFICE

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Premise No. _____
 Source No. _____

APPENDIX A, PROCESS

PROCESS DATA

1. Name of process _____
2. End product of this process _____
3. Primary process equipment _____
 Your identification _____ Year Installed _____
4. Manufacturer _____ Make or Model _____
5. Capacity of equipment (lbs./hr): Rated _____ Max. _____
6. Method of exhaust ventilation: Stack Window fan Roof vent
 Other, describe _____
 Are there multiple exhausts? Yes No

OPERATING DATA

7. Normal operating schedule: _____ hrs./day, _____ days/wk., _____ wks./year.
8. Percent annual production (finished units) by season:
 Winter _____ Spring _____ Summer _____ Fall _____
9. Hourly production rates (lbs.): Average _____ Maximum _____
10. Annual production (indicate units) _____
 Projected percent annual increase in production _____
11. Type of operation: Continuous Batch
12. If batch, indicate Minutes per cycle _____ Minutes between cycles _____
13. Materials used in process:

List of Raw Materials	Principal Use	Amounts (lbs./hr.)

14. A PROCESS FLOW DIAGRAM MUST BE INCLUDED WITH THIS APPENDIX. Show entry and exit points of all raw materials, intermediate products, by-products and finished products. Label all materials including airborne contaminants and other waste materials. Label the process equipment and control equipment.

(continued on reverse side)

CONTROL EQUIPMENT

Control Equipment Codes:

- | | | |
|--------------------------------|--------------------------|------------------------------|
| (A) Settling chamber | (G) Cyclonic scrubber | (M) Adsorber |
| (B) Cyclone | (H) Impingement scrubber | (N) Condenser |
| (C) Multiple cyclone | (I) Orifice scrubber | (O) Afterburner -- catalytic |
| (D) Electrostatic precipitator | (J) Venturi scrubber | (P) Afterburner -- thermal |
| (E) Fabric filter | (K) Plate or tray tower | (Q) Other, describe |
| (F) Spray chamber | (L) Packed tower | |

15. Control Equipment data:

Item	Primary Collector	Secondary Collector
(a) Type (See above code)		
(b) Manufacturer		
(c) Model No.		
(d) Year installed		
(e) Your identification		
(f) Pollutant Controlled		
(g) Controlled pollutant emission rate (if known)		
(h) Pressure drop		
(i) Design efficiency		
(j) Operating efficiency		

STACK DATA

16. Your stack identification _____

17. Are other sources vented to this stack: Yes No
If, yes, identify sources _____

18. Type: Round, top inside diameter dimension _____
 Rectangular, top inside dimensions (L) _____ x (W) _____

19. Height: Above roof _____ ft., above ground _____ ft.

20. Exit gas: Temp. _____ of, Volume _____ ACFM, Velocity _____ ft./min.

21. Continuous monitoring equipment: Yes No
If yes, indicate: Type _____, Manufacturer _____
Make or Model _____, Pollutant(s) monitored _____

22. Emission date: Emissions from this source have been determined and such data is included with this appendix:

If yes, check method: Stack Test Emission factor Material Balance

Completed by _____, Date _____

INSTRUCTION FOR APPENDIX A - PROCESS

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Appendix A is a general appendix and should be completed for a source operation for which there is no specific appendix. Refer to the listing of appendices in the instructions to the Permit to Operate/Variance application to determine if another one applies (e.g. Appendix B - Fuel Burning Equipment, Appendix C - Incinerator, Appendix D - Surface Coating or Printing Operation, Appendix E - Storage Tank/Loading Facility, or others).

Rule 3745-15-01(X) of the Ohio Administrative Code defines a "source operation" as "... the last operation preceding emission which operation: (1) results in the separation of the air contaminant from the process materials or in the conversion of the process materials into air contaminants, as in the case of combustion fuel; and, (2) is not an air pollution abatement operation."

General Instructions: Answer or complete all items. If the item does not apply to the source operation write in "not applicable" or "NA". If the answer is not known write in "not known" or "NK". The appendix form may be returned to you if all items are not completed or answered.

Specific Instructions:

Item Process Data: Items (1) thru (6) refer to general process information.

- (1) Complete the generally accepted name for the process (e.g. asphalt batching, glass manufacturing, oil refining, electroplating, rendering, etc.).
- (2) Specify the end product of this process (e.g. asphaltic concrete, glassware, benzene, chrome plated bumpers, soaps, etc.).
- (3) Name the specific process equipment for this appendix along with the company's identifying name or code and the year it was or will be installed (e.g. basic oxygen furnace - furnace #1 - 1965).
- (4) Name the manufacturer and model number (if any) of the process equipment in item (3).
- (5) State the "rated" (normal) and (maximum) capacity, in pounds per hour (lbs/hr), of the process equipment. The capacity refers to the input capacity of materials entering the process equipment.
- (6) Indicate the method of exhaust ventilation and indicate if there are more than one exhaust.

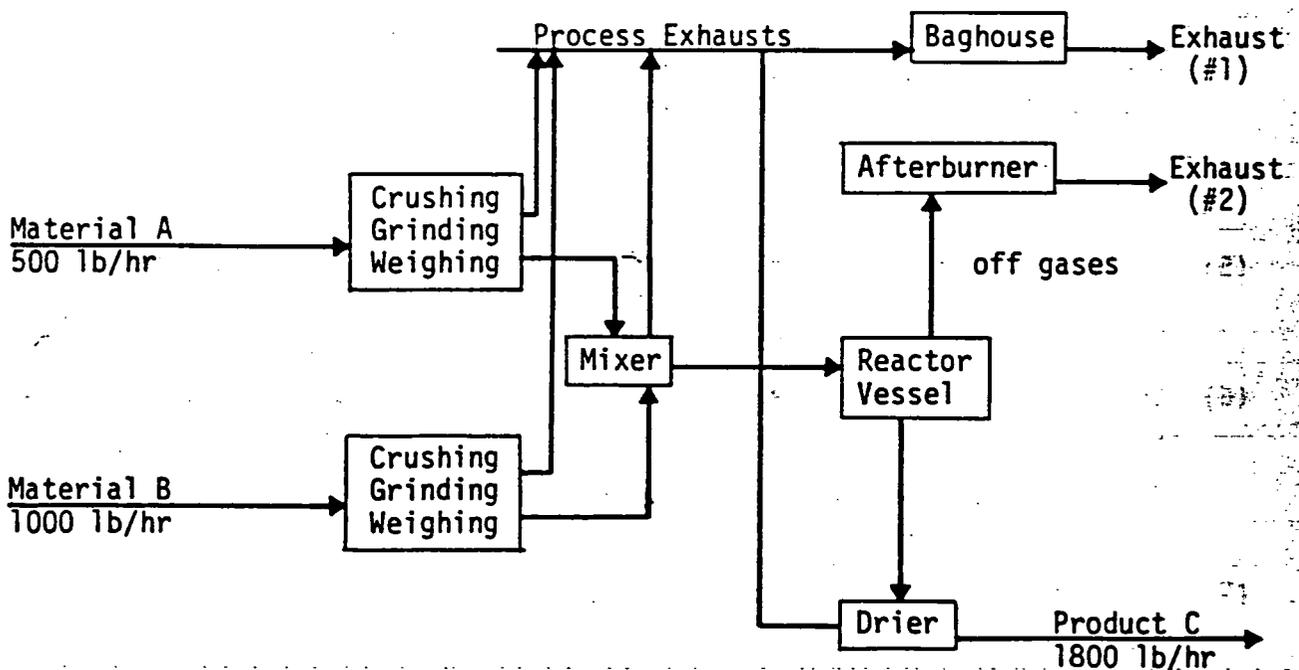
Operating Data: Items (7) thru (14) refer to the operating information for the process equipment.

- (7) Complete the process equipment's normal operating schedule in hours per day, days per week, and weeks per year.
- (8) Complete the percent annual production by season for a years production of finished units. The four seasons should total to 100% and include: Winter (December, January, February), Spring (March, April, May), Summer (June, July, August), Fall (September, October, November).

Item 2701

- (9) Specify the average and maximum hourly production rates in pounds. The average is the years production rate divided by the total yearly hours of production or operation.
- (10) Specify the annual production for this process equipment and indicate the appropriate units (e.g., 10,000 tons of steel, 150,000 barrels of benzene, etc.). Estimate the annual increase in production.
- (11) & Check whether the process is continuous or batch. A batch operation normally has significant down time between completion and startup of each operation or cycle.
- (12) If batch, complete the minutes per production cycle and minutes between the production cycles. A "cycle" refers to the time the equipment is in operation.
- (13) List all general types of raw materials employed in the process, indicate the principle use (i.e., product, binder, catalyst, fuel, etc.) and specify the normal amount used in pounds per hours (lbs/hr). List any specific materials containing lead, asbestos, beryllium, or mercury.
- (14) A process flow diagram is to be included with this appendix and should be sketched on a separate sheet. The diagram should include:
- (a) Entry and exit points of all raw materials, intermediate products, by-products, and finished products.
 - (b) Labelling of all materials (products, waste, and airborne contaminants).
 - (c) Labelling of process equipment and control equipment:

Example:



0000 6

Control Equipment: Items (15)(a) thru (j) refer to the control equipment information.

- (15) Complete items (a) thru (j) for any air pollution device or equipment related to the process equipment of this appendix. The primary collector and secondary collector refer to separate control devices or equipment for collecting similar or different air pollutants. If there is a third collector, complete the same data for that collector on a separate sheet. Additional information (e.g., drawings, design data, etc.) may be attached to this appendix.
- (a) Insert the control equipment code letter.
 - (b) Name the manufacturer of the control equipment.
 - (c) Name the manufacturer's model number (if any).
 - (d) Fill in the year the control was or will be installed.
 - (e) Fill in the company's identifying name or number for the control device or equipment.
 - (f) Specify only the pollutant (air contaminant) controlled.
 - (g) Specify the controlled pollutant emission rate if known or measured; in pounds per hour (lbs/hr) or grains per standard cubic foot dry (g/scfd) or other appropriate units. Specify units.
 - (h) Specify the pressure drop, in inches H_2O , across the collector.
 - (i) Specify the design collection or removal efficiency of the collector the controlled pollutant.
 - (j) Specify the operating collection or removal efficiency of the collector for the controlled pollutant. The operating efficiency is normally determined from a stack test.

Stack Data: Items (16) thru (22) refer to information for the stack or exhaust of this process.

- (16) Indicate the company's identification for the stack or exhaust.
- (17) If other sources are also vented to this same stack or exhaust indicate so and identify those sources.
- (18) Specify the inside dimensions of the stack or exhaust at the outlet to the atmosphere.
- (19) Specify the stack's or exhaust's height, in feet (ft.) above ground and above the attached roof.
- (20) For the stack's or exhaust's exit gas complete the temperature in degrees Fahrenheit (OF), the volume flow rate in actual cubic feet per minute (ACFM), and the velocity in feet per minute (ft/min.). If the properties of the exit gas vary use the average values.
- (21) Indicate if the stack or exhaust is equipped with air pollution monitoring equipment and if so specify the type, manufacturer, make or model, and the pollutant or pollutants monitored.
- (22) If air pollution emissions for this process have been determined and the data is included with (attached to) this appendix indicate so and check the method of determination (i.e. stack test, emission factor, or material balance). The stack test may be from either this reported process or a similar one located elsewhere. The emission factor calculation and determination factor should include a reference to the process emission factor and data relative to the collection or removal efficiency of any control equipment. The material balance method should include measurement methods and a flow diagram.

Completed by and Date: Write in the name of the person completing this form and the date.

**OHIO ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR A PERMIT TO OPERATE
AN AIR CONTAMINANT SOURCE**

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Facility Name	Person to Contact
Facility Address	Mailing Address
City County Zip	City State Zip
Telephone Area Number	Telephone

(Application No., if this is a renewal application) **Std. Ind. Class. Code**

1. Complete and attach any of the following appendices most appropriate to the air contaminant source. In addition, a compliance time schedule form is to be attached when applicable. Check as appropriate the following:

- Appendix A, Process
- Appendix B, Fuel-Burning Equipment
- Appendix C, Incinerator
- Appendix D, Surface Coating or Printing Operation
- Appendix E, Storage Tank
- Appendix F, Gasoline Dispensing Facility
- Appendix G, Loading Rack at Bulk Gasoline Plant or Terminal
- Appendix H, Surface Coating Line or Printing Line
- Appendix I, Process
- Appendix J, Solvent Metal Cleaning
- Appendix K, Fugitive Dust Emission Sources
- Appendix L, Rubber Tire Manufacturing
- Appendix M, Dry Cleaning Facility
- Appendix N, Landfills
- Appendix O, Other Appendix
- Compliance Time Schedule

2. Description of Source (same as used on appendix):
 3. Your identification for Source (same as used on appendix):

I, being the individual specified in Rule 3745-35-02(B) of the Ohio Administrative Code, hereby apply for a Permit to Operate the air contaminant source(s) described herein. As required, the following additional documents are submitted as part of this application (describe all attachments):

Authorized Signature*
Title
Date

*Pursuant to OAC Rule 3745-35-02(B) (Permit to Operate).

Instructions for Completion of a Permit to Operate or Variance Application

These instructions concern the completion of application materials for a Permit to Operate or a Variance for air contaminant sources. An application cannot be considered unless the application form is completed and signed and any required supplemental information is submitted. Pursuant to Section 3745.11(G) of the Ohio Revised Code (ORC), any person applying for a permit to operate, permit to install, or variance must pay a non-refunderable application fee \$15.00. This fee must be submitted at the time of application. Make checks payable to the Treasurer of the State of Ohio. Unless otherwise provided for by rule, a separate application must be filed for each air contaminant source. Therefore, only one (1) appendix may accompany this form. Applicants are advised that they will be required to pay a fee upon approval of their application for a Permit to Operate or Variance as provided for in Section 3745.11(B) of the ORC.

An appendix is a technical information form to be completed by the applicant. From the following description of the appendices, determine which should accompany your application.

- Appendix A - Process: for sources not included in the other appendices.
- Appendix B - Fuel-Burning Equipment: for any furnace, boiler, apparatus, and all appurtenances thereto, used in the process of burning fuel with the primary purpose of producing heat or power by indirect heat transfer.
- Appendix C - Incinerator: for any equipment, machine, device, article, contrivance, structure or part of a structure used to burn refuse or to process refuse material by burning other than by open burning.
- Appendix D - Surface Coating or Printing Operation: for a surface coating operation not included under Appendix K or for a printing operation.
- Appendix E - Storage Tank: a storage tank for petroleum liquids.
- Appendix H - Gasoline Dispensing Facility: any site where gasoline is dispensed to motor vehicle gasoline tanks from stationary storage tanks.
- Appendix J - Loading Rack at a Bulk Gasoline Plant or Terminal: an operation for transferring gasoline to a delivery vessel.
- Appendix K - Surface Coating Line: a coating line consists of one or more coating applicators, flash-off areas or ovens to be used for the following: an automobile or light-duty truck assembly plant; can manufacturing; coil-coating; fabric coating; large appliance coating; magnet wire coating; metal furniture coating; paper coating; vinyl coating.
- Appendix L - Solvent Metal Cleaning: an operation employing solvent for cleaning metal surfaces; wipe-cleaning is excluded.
- Appendix M - Fugitive Dust Emission Sources

General:

- | | |
|---|---|
| M1-1 - Plant Roadways and Parking Areas | M13 - Cement Manufacturing and Blending Plants |
| M1-2 - Aggregate Storage Piles | M14 - Ferroalloy Production |
| M1-3 - Material Handling | M15 - Metal Salvage Operations |
| M1-4 - Mineral Extraction | M16 - Pulp and Paper Mills |
| | M17 - Woodworking Operations |
| | M18 - Aggregate Processing Plans |
| | M19 - Coal Processing Plants |
| | M20 - Brick and Related Clay Product Manufacturing Plants |
| | M21 - Asphaltic Concrete Plants |
| | M22 - Concrete Batching Plants |

Iron and Steel Mills:

- M2-1 - Coke Manufacturing
- M2-2 - Iron Production
- M2-3 - Steel Manufacture
- M3 - Lime Plants
- M4 - Power Plants

- | | |
|---|---|
| M5 -- Grain Terminals | M23 -- Sandblasting Operations |
| M6 -- Country Grain Elevators | M24 -- Petroleum Refineries |
| M7 -- Gray Iron Foundries | M25 -- Agricultural Chemical Manufacturing Plants |
| M8 -- Steel Foundries | M26 -- Bulk Gasoline Terminals and Plants |
| M9 -- Glass Manufacturing Plants | M27 -- Carbon Black Plants |
| M10 -- Fiberglass Manufacturing | M28 -- Municipal Incineration |
| M11 -- Secondary Aluminum Processing Plants | M29 -- Salt Processing Operations |
| M12 -- Fertilizer Mixing/Blending Plants | M30 -- Galvanizing Plants |

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- Appendix N - Rubber Tire Manufacturing
- Appendix O - Dry Cleaning Facility
- Appendix P - Landfill

There are separate instructions with each appendix. If more than one application form is submitted at one time, it is acceptable to use photocopies of these forms containing identical data entry; however, each application must contain an original signature.

The following Sections of Chapter 3745-35 of the Ohio Administrative Code provide the applicant with information regarding air contaminant sources, permits to operate and variances. A complete copy of OAC Rule 3745-35 is available upon request.

OAC Rule 3745-35-01(B)(1) "Air Contaminant Source" shall mean any machine, device, apparatus, equipment, building, or other physical facility that emits or may emit any air pollutant.

OAC Rule 3745-35-02(A) Except as otherwise provided in Paragraph (H) of this rule and in rules 3745-35-03 and 3745-35-05 of the Administrative Code, no person may cause, permit, or allow the operation or other use of any air contaminant source without applying for and obtaining the permit to operate from the Ohio Environmental Protection Agency in accordance with the requirements of this rule.

OAC Rule 3745-35-03 (A) No person shall cause, permit or allow the operation or other use of any air contaminant source that emits any air pollutant in violation of any applicable air pollution control law, unless a variance has been applied for and obtained from the director for such source, pursuant to the provisions of this rule. No variance from any rule of the director adopted under Chapter 3704 of the Revised Code may be issued except pursuant to this rule.

Signature on Application Form:

OAC Rule 3745-35-02(B)(1) Applications for permits to operate shall be signed, in the case of a corporation, by a principal executive officer of at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the emission described in the application originates.

(2) Applications for permits to operate shall be signed, in the case of partnership, by a general partner.

(3) Applications for permits to operate shall be signed, in the case of sole proprietorship, by the proprietor.

(4) Applications for permits to operate shall be signed, in the case of municipal, state, federal or other governmental facility, by the principal executive officer, the ranking elected official, or other duly authorized employee.

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OAC Rule 3745-35-03(D)(1) Application for variances shall be signed in the case of a corporation, by a principal executive officer or at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the emission described in the application originates.

(2) Applications for variances shall be signed in the case of a partnership by a general partner.

(3) Applications for variances shall be signed in the case of a sole proprietorship, by the proprietor.

(4) Applications for variances shall be signed in the case of municipal, state, federal or other government facility, by the principal executive officer, the ranking elected official, or other duly authorized employee.

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STATEMENT OF
THE OHIO ENVIRONMENTAL PROTECTION AGENCY

APPLICATION FEE

1431110128P013
APPLICATION NUMBER

\$15.00
AMOUNT DUE

U.S. DEPT OF ENERGY-FERNALD ENVR MANAGEM
FACILITY NAME

RETURN THIS STATEMENT WITH YOUR REMITTANCE AND
APPLICATION TO THE APPROPRIATE OHIO EPA DISTRICT
OFFICE OR LOCAL AIR POLLUTION CONTROL AGENCY.

PURSUANT TO SEC. 3745.11(G) OF THE OHIO REVISED
CODE, A NON-REFUNDABLE APPLICATION FEE FOR EACH
SOURCE MUST ACCOMPANY EACH APPLICATION FOR A
PERMIT TO INSTALL, PERMIT TO OPERATE OR VARIANCE.

MAKE CHECKS PAYABLE TO:

THE TREASURER OF THE STATE OF OHIO.