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G-000-104 .125

**RE: PERMITS TO OPERATE - (SPECIAL TERMS: POLOT PLANT  
PLASMA SPRAY PROCESS: FABRIC FILTER)**

03/03/89

EPA-3167

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DOE-FN



State of Ohio Environmental Protection Agency

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

Original File Copy

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Richard F. Celeste  
Governor

1431110123 P233  
US DEPT OF ENERGY - FEED MATE  
MRS. BARBARA WOJTOWICZ  
P.O. BOX 398705  
CINCINNATI OH 45239

CERTIFIED MAIL  
March 3, 1989

Dear Sir or Madam:

Enclosed are Permit(s) to Operate which allow you to operate the described air contaminant source(s) in the manner indicated in the permit(s). Because these permits contain several conditions and restrictions, I urge you to read them carefully.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 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 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

If you have any questions, please contact the air pollution control agency to which you submitted your application.

Very truly yours,

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

TGR/gs

EPA-3167  
04/23/87

*Rjw 957*

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**PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE**

Date of Issuance 03/03/89

Application No. 1431110128P233

Effective Date 03/03/89

Permit Fee \$100

This document constitutes issuance to:

US DEPT OF ENERGY - FEED MATERIALS PROD  
 WILLEY ROAD  
 FERNALD OHIO 45239

of a permit to operate for:

PILOT PLANT PLASMA SPRAY PROCESS: FABRIC FILTER  
 PILOT PLANT PLASMA SPRAY PROCESS (13-012)

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

1. This permit to operate shall be effective until 03/03/92  
 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 reasonable 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:  
 SOUTHWESTERN OHIO AIR POLLUTION CONTROL AGENCY  
 2400 BEEKMAN ST. CINCINNATI, OH 45214  
 (513) 251-3777
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

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APPLICATION NUMBER: 1431110128 P233  
FACILITY NAME: D.O.E. Feed Materials Production Center  
EQUIPMENT DESCRIPTION: Pilot Plant Plasma Spray Process: Fabric Filter  
COMPANY ID: Pilot Plant Plasma Spray Process (13-012)

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### SPECIAL TERMS AND CONDITIONS

1. Applicable Rules:

The following rules of the Ohio Administrative Code and the Code of the Federal Regulations establish the applicable emission limitations and/or control requirements for this source: 3745-17-07, 3745-17-11, 40 CFR Part 61 - Subpart H, and 40 CFR Parts 117 and 302.

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

2. Mass Emission Limitations:

The mass emission rate from the operation of this source shall not exceed the following:

0.551 pound of particulate per hour.

3. National Emission Standards for Hazardous Air Pollutants (NESHAPS) Requirements:

This source and all other sources located at the D.O.E. Feed Materials Production Center which emit or have the potential to emit radionuclides to the ambient air shall comply with the requirements specified in 40 CFR Part 61 Subpart H effective February 6, 1985.

4. Monitoring Requirements:

The Pilot Plant Plasma spray process shall use an existing dust collector which is currently operating at the FMPC Pilot Plant. The exhaust stack associated with the dust collector shall be equipped with a NLO-developed continuous flow stack sampler. The sampler will draw a continuous sample at an isokinetic rate from a fixed point within the exhaust stack. Collected samples will be analyzed to determine both particulate (as needed) and radionuclide emission rates from the facility exhaust.

Results of the sampling analysis shall be maintained for a minimum of 24 months, and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

Should U.S. D.O.E. Feed Materials Production Center decide to replace, modify or upgrade the existing control equipment the Ohio EPA field office shall be notified in writing prior to such changes or modifications.

PREPARED BY: S. Mark Hines  
DATE PREPARED: September 28, 1988

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**STATEMENT OF**  
**THE OHIO ENVIRONMENTAL PROTECTION AGENCY**

1431110128P233  
**APPLICATION NUMBER**

\$100.00  
**AMOUNT DUE**

**US DEPT OF ENERGY - FEED MATERIALS PROD**  
**FACILITY NAME**

PURSUANT TO SEC.3745.11 OF THE OHIO REVISED  
CODE, FULL AMOUNT OF THIS PERMIT FEE IS DUE  
WITHIN FIFTEEN (15) DAYS OF THIS PERMIT.  
MAKE CHECKS PAYABLE TO:

**THE TREASURER OF THE STATE OF OHIO.**

RETURN THIS STATEMENT WITH YOUR REMITTANCE USING  
THE ENCLOSED ENVELOPE TO:

GENERAL ACCOUNTING  
OHIO EPA  
P.O. BOX 1049  
COLUMBUS, OH 43266-0149

ALL QUESTIONS REGARDING THIS FEE SHOULD INCLUDE  
THE APPLICATION NUMBER SHOWN ABOVE.

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