

5270

**PERMITS TO OPERATE AIR CONTAMINANT
SOURCES (FEED DUMPING STATION; FLUID BED
REACTOR)**

07/28/89

**OEPA/DOE-FMPC
10
LETTER**



State of Ohio Environmental Protection Agency

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

Original File Copy

5270



Richard F. Celeste
Governor

1431110128 P082
US DEPT OF ENERGY - FEED MATE
MARY STONE
P.O. BOX 398705
CINCINNATI OH 45239

CERTIFIED MAIL

July 28, 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

Date Rec'd JUL 31 1989

Log C-2313

File 5472.13.1

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Submit permit Sec

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PERMIT TO OPERATE AN AIR CONTAMINANT SOURCEDate of Issuance **07/28/89**Application No. **1431110128P165**Effective Date **07/28/89**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:

**SAFE GEOMETRY FEED DUMPING STATION W/HEPA FILTER
PLANT 1: 1-004: DUST COLLECTOR 62-76**

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

1. This permit to operate shall be effective until **07/27/92**
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) 251-8777**
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

5270

APPLICATION NUMBER: 1431110128 P165
FACILITY NAME: U.S. Dept. of Energy - Feed Materials Prod.
EQUIPMENT DESCRIPTION: Safe Geometry Feed Dumping Station W/HEPA Filter
COMPANY ID: Plant No. 1: 1-004: Dust Collector G2-76

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 this source shall not exceed the following:

0.551 pounds 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 (F.M.P.C.) 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:

This source shall employ the following control equipment which includes a HEPA filter followed by a high vacuum fabric filter and a fabric filter which are currently operating at the FMPC Plant 1. The exhaust stack associated with the fabric filter shall be equipped with a continuous flow stack sampler. The sampler shall draw a continuous sample at an isokinetic rate from a fixed point within the exhaust stack. Collected samples shall be analyzed to determine both particulate (as needed) and radionuclide emission rates from the facility exhaust.

Results of the sampling analysis shall be maintained in the company's files for a minimum of 24 months and shall be made available to the Director or any authorized representative of the Director upon request.

Should D.O.E. F.M.P.C. decide to replace, modify or upgrade the existing control equipment the Southwestern Ohio Air Pollution Control Agency shall be notified in writing prior to such changes or modifications.

STATEMENT OF

5270

THE OHIO ENVIRONMENTAL PROTECTION AGENCY

1431110128P082
APPLICATION NUMBER

\$210.00
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.

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCEDate of Issuance **07/28/89**Application No. **1431110128P082**Effective Date **07/28/89**Permit Fee **\$210**

This document constitutes issuance to:

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

of a permit to operate for:

**FLUID BED REACTOR AND TALCUM REACTOR BANK 9
PLANT 4: 4-003 AND 4-005**

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

1. This permit to operate shall be effective until **07/27/92**
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) 251-8777**
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:

1431110128 P082

5270

FACILITY NAME:

U.S. Dept. of Energy - Feed Materials Prod.

EQUIPMENT DESCRIPTION:

Fluid Bed Reactor and Talcum Reactor Bank 9

COMPANY ID:

Plant 4: 4-003 and 4-006

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 this source shall not exceed the following:

2.75 pounds 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 (F.M.P.C.) 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:

This source shall employ existing control equipment which includes fabric filters followed by a HEPA filter, a hydrogen offgas burner, and a HF scrubber followed by a KOH scrubber which are currently operating at the FMPC Plant 4. The exhaust stack associated with the fabric filter shall be equipped with a continuous flow stack sampler. The sampler shall draw a continuous sample at an isokinetic rate from a fixed point within the exhaust stack. Collected samples shall be analyzed to determine both particulate (as needed) and radionuclide emission rates from the fluid bed reactor exhaust.

The exhaust stack associated with the condenser and the two scrubbers shall also be equipped with a continuous flow stack sampler. This sampler shall draw a continuous stack sample at an isokinetic rate from a fixed point within the exhaust stack. Collected samples shall be analyzed to determine both particulate (as needed) and hydrogen fluoride emission rates from the talcum reactor bank exhaust.

Results of the sampling analysis shall be maintained in the company's files for a minimum of 24 months and shall be made available to the Director or any authorized representative of the Director upon request.

Should D.O.E. F.M.P.C. decide to replace, modify or upgrade the existing control equipment the Southwestern Ohio Air Pollution Control Agency shall be notified in writing prior to such changes or modifications.

PREPARED BY: M. Jay Kessel, Jr.
DATE PREPARED: June 21, 1989

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STATEMENT OF
THE OHIO ENVIRONMENTAL PROTECTION AGENCY

1431110128P165
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.

5270

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FMPC
OPERATIONS SAFETY & HEALTH - REGULATORY COMPLIANCE
REGULATORY AGENCY CONTACT REPORT/REQUEST

DATE OF CONTACT: 7/28/89	ORIGINATOR: David E. Faris	<input checked="" type="checkbox"/> Has contacted <input type="checkbox"/> Was contacted by
REGULATORY AGENCY: Southwestern Ohio Air Pollution Control Agency (SWCAPCA)	AGENCY REPRESENTATIVE: Su Mark Hines	
SUBJECT:	Stack Testing Requirements for the new Derby Breakout System and Enriched Slag Milling System were discussed.	
INFORMATION PROVIDED TO AGENCY:	Mr. Hines was asked, if there will be any stack testing required for the new Derby Breakout System or for the new Enriched Slag Milling, prior to receipt of a Permit to Operate.	
INFORMATION OBTAINED FROM AGENCY:	Mr. Hines confirmed that there will be no stack testing required for SWCAPCA for either the new West Derby Breakout System or for the new Enriched Slag Milling.	
WMCO ACTIONS REQUIRED AS RESULT OF CONTACT:		

C: T. E. Escue
K. A. Solomon

David E. Faris

ORIGINATOR'S SIGNATURE/DATE

- MANDATORY DISTRIBUTION:**
- DOE SITE OFFICE REPRESENTATIVE
 - MANAGER, REGULATORY COMPLIANCE
 - MANAGER, IMPACT ASSESSMENT
 - MANAGER, WASTE REMEDIATION AND ENVIRONMENTAL ENGINEERING
 - OFFICE OF COUNSEL
 - IMMEDIATE SUPERVISOR