

4078

**PERMITS TO OPERATE THE DESCRIBED AIR
CONTAMINANT SOURCE**

12/24/92

**EPA/DOE-FN
15
LETTER**



State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149
(614) 644-3020
FAX (614) 644-2329

LOG G-01393
FILE AR
DATE

DEC 23 3 32 PM '92

George V. Voinovich
Governor

4078 Donald R. Schregardus
Director

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

CERTIFIED MAIL
December 24, 1992

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 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

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 and Permit Section
Division of Air Pollution Control

TGR/tkb

Submit application 5 FEB

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

4078

Date of Issuance **12/24/92**Application No. **1431110128P239**Effective Date **12/24/92**Permit Fee **\$330**

This document constitutes issuance to:

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

of a permit to operate for:

**EAST OLIVER FILTER
8-009**

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

1. This permit to operate shall be effective until **12/24/95**. 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 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
1632 CENTRAL PKWY. CINCINNATI OH 45210
(513) 651-9437**
10. If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Donall R. Scheyordus

Director

EPA 3034
Revised 9-90

02

APPLICATION NUMBER: 1431110128 P239
FACILITY NAME: U.S. Dept. of Energy -- Fernald
Environmental Management Project
EQUIPMENT DESCRIPTION: East Oliver Filter
COMPANY ID: 8-009

4078

SPECIAL TERMS AND CONDITIONS

1. Applicable Rules:

The following rules of the Ohio Administrative Code and the Code of Federal Regulations establish the applicable emission limitations and/or control requirements for this source: 3745-15-07, 3745-17-07, 3745-17-11, and 40 CFR Part 61, Subpart H.

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

2. Mass Emission Limitations:

The mass emissions from this source shall not exceed 22.27 pounds of particulate per hour.

3. National Emission Standard for Hazardous Air Pollutants (NESHAP) Requirements:

This source and all other sources located at the Fernald Environmental Management Project 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.

PREPARED BY: Peter Sturdevant
DATE PREPARED: November 16, 1992

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

4078

Date of Issuance **12/24/92**Application No. **1431110128P276**Effective Date **12/24/92**Permit Fee **\$210**

This document constitutes issuance to:

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

DHID 45239

of a permit to operate for:

**PLANT 8 NEUTRALIZATION OF SUMP LIQUOR D-101
8-016**

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

1. This permit to operate shall be effective until **12/24/95**
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 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
1632 CENTRAL PKWY. CINCINNATI OH 45210
(513) 651-9437**
10. If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Donald R. Schreyer

Director

EPA 3834
Revised 9-90

04

APPLICATION NUMBER: 1431110128 P276
FACILITY NAME: U.S. Dept. of Energy - Fernald
EQUIPMENT DESCRIPTION: Environmental Management Project
Plant 8 Neutralization of Sump Liquor
D-101
COMPANY ID: 8-016

4078

SPECIAL TERMS AND CONDITIONS

1. Applicable Rules:

The following rules of the Ohio Administrative Code and the Code of Federal Regulations establish the applicable emission limitations and/or control requirements for this source: 3745-15-07, 3745-17-07, 3745-17-11, and 40 CFR Part 61, Subpart H.

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

2. Mass Emission Limitations:

The mass emissions from this source shall not exceed 5.27 pounds of particulate per hour.

3. National Emission Standard for Hazardous Air Pollutants (NESHAP) Requirements:

This source and all other sources located at the Fernald Environmental Management Project 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.

4. Monitoring Requirements:

This source shall use an existing fabric filter dust collector currently operating at plant 8. The exhaust stack associated with the fabric filter will be equipped with a 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 and radionuclide emission rates from the exhaust stack.

Results of the sampling analyses shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

05

PREPARED BY: Peter Sturdevant
DATE PREPARED: November 27, 1992

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE**4078**Date of Issuance **12/24/92**Application No. **1431110128T128**Effective Date **12/24/92**Permit Fee **\$150**

This document constitutes issuance to:

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

of a permit to operate for:

**36,000 GAL. CAP. ANF STORAGE TANK: HF SCRUBBER
4-25 ANF STORAGE TANK #T-19X-1800**

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

1. This permit to operate shall be effective until **12/23/95**
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 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
1632 CENTRAL PKWY. CINCINNATI OH, 45210
(513) 651-9437**
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

EPA 3834
Revised 9-90

06

APPLICATION NUMBER: 1431110128 T128.
FACILITY NAME: U.S. Dept. of Energy - Fernald
EQUIPMENT DESCRIPTION: Environmental Management Project
36,000 Gal. Cap. AHF Storage Tank: HF
Scrubber
COMPANY ID: 4-25 AHF Storage Tank #T-19X-1800

4078

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: 3745-15-06 and 3745-15-07.

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

2. Mass Emission Limitations:

The mass emission rate from the operation of this source shall not exceed 3.0 pounds of hydrogen fluoride per hour.

3. Annual Throughput Restriction:

The annual throughput for this source shall not exceed 425,000 gallons per year.

4. Record-keeping Requirements:

Production records shall be retained in the company's files for a period of not less than three years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

PREPARED BY: Peter Sturdevant
DATE PREPARED: November 27, 1992

PERMIT TO OPERATE AN AIR CONTAMINANT SOURCE

4078

Date of Issuance **12/24/92**Application No. **1431110128P178**Effective Date **12/24/92**Permit Fee **\$100**

This document constitutes issuance to:

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

of a permit to operate for:

**EAST PACKAGING STATION - PLANT 1
1-009: FABRIC FILTER 62-1**

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

1. This permit to operate shall be effective until **12/23/95**. 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 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
1632 CENTRAL PKWY. CINCINNATI, OH, 45210
(513) 651-9437**
10. If this term and condition is checked, the permit holder is subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Donald R. Schreyer

Director

APPLICATION NUMBER: 1431110128 P178
FACILITY NAME: U.S. Dept. of Energy - Fernald
Environmental Management Project
EQUIPMENT DESCRIPTION: East Packaging Station - Plant 1
COMPANY ID: 1-009: Fabric Filter G2-1

4078

SPECIAL TERMS AND CONDITIONS

1. Applicable Rules:

The following rules of the Ohio Administrative Code and the Code of Federal Regulations establish the applicable emission limitations and/or control requirements for this source: 3745-15-07, 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 other requirements of the Ohio Administrative Code to this source.)

2. Mass Emission Limitations:

The mass emission rate from this source shall not exceed 2.58 pounds of particulate per hour.

3. National Emission Standard for Hazardous Air Pollutants (NESHAP) Requirements:

This source and all other sources located at the D.O.E.-F.E.M.P. 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.

4. Monitoring Requirements:

The East Packaging Station will use an existing fabric filter which is currently operating at the F.E.M.P. Plant. The exhaust stack associated with the fabric filter will be equipped with a 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 analyses will be retained in the company's files for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director for review during normal business hours.

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

PREPARED BY: Peter Sturdevant
DATE PREPARED: November 24, 1992

4078

STATEMENT OF
THE OHIO ENVIRONMENTAL PROTECTION AGENCY

1431110128P239
APPLICATION NUMBER

\$330.00
AMOUNT DUE

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

STATEMENT OF
THE OHIO ENVIRONMENTAL PROTECTION AGENCY

1431110128P276
APPLICATION NUMBER

\$210.00
AMOUNT DUE

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

STATEMENT OF

4078

THE OHIO ENVIRONMENTAL PROTECTION AGENCY

1431110128T128
APPLICATION NUMBER

\$150.00
AMOUNT DUE

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

STATEMENT OF
THE OHIO ENVIRONMENTAL PROTECTION AGENCY 4078

1431110128P178
APPLICATION NUMBER

\$100.00
AMOUNT DUE

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