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Department of Energy

**Ohio Field Office
Fernald Area Office**

P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



DEC 2 1997

DOE-0168-98

**Ohio Environmental Protection Agency
Division of Air Pollution Control
Engineering Section
1600 WaterMark Drive
Columbus, OH 43215-1034**

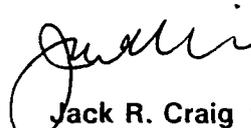
Dear Sirs:

RECEIPT SUBMISSION FOR FERNALD ENVIRONMENTAL MANAGEMENT PROJECT EMISSION STATEMENT - 1996

Enclosed is the signed receipt for the Fernald Environmental Management Project Emission Statement - 1996. This statement was transmitted electronically to the Ohio Environmental Protection Agency Bulletin Board Service on October 31, 1997, and was assigned control number 000005876.

If you have any questions, please contact Ed Skintik at (513) 648-3151.

Sincerely,


Jack R. Craig
Director

FEMP:Skintik

Enclosure: As Stated

cc w/enc:

K. Klee, FDF
AR Coordinator

cc w/o enc:

W. Jameson, FDF
C. Turner, FDF
T. Walsh, FDF
P. Spotts, FDF

Ohio EPA Bulletin Board Service Receipt Verification/Certification Regarding Content of the Electronically Transmitted Statement of Actual Emissions, Control Number 0000005876:

U.S. DEPT. OF ENERGY-FERNALD ENVIR.
1431110128

Date and Time of Export:

10/31/1997 at 07:55 AM

Reporting Period: 1996

Signature for Statement: This statement shall be signed by the responsible party or the duly authorized representative of the party. In the case of:

- a) Corporation - by a principal executive officer of at least the level of vice-president, or a duly authorized representative for the facility from which the emissions originate.
- b) Partnership - by a general partner.
- c) Sole proprietorship - by the proprietor.
- d) Municipal, state, federal, or other government facility - by the principal executive officer, the ranking elected official, or duly authorized employee.

Knowingly presenting false or misleading information constitutes a violation of OAC CHAPTER 3745-24, and subjects the responsible party signing this statement to civil and criminal penalties provided for thereof.

I, being the individual specified in OAC CHAPTER 3745-24, hereby affirm that the information contained within the Statement of Actual Emissions, which was electronically transmitted to Ohio EPA and identified as control number 0000005876, is true and complete to the best of my knowledge for each of the air emission units (sources) described within the Statement of Actual Emissions and that all estimates and judgements relating to such information have been made in good faith.

Authorized Signature *[Signature]*
 Name (Please Print) JACK R CRAIG
 Title Director

Total facility emissions:
 Sum, in tons/yr, the emissions from all the air emissions units/groups

VOC	18.00
Nox	103.00

Date 11/26/97

The receipts should be sent to:
Ohio EPA
Division of Air Pollution Control
Engineering Section
1600 WaterMark Drive
Columbus, OH 43215-1034

There were a total of 8 emissions units/groups in this submittal.



State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: FEMP-ES-1996

Emissions Reporting Form: Facility Information

Summary of emissions for all linked forms:

Emissions Unit ID	SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
B001	1-02-002-04	0.00	0.00	53.78	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B003	1-02-002-04	0.00	0.00	38.79	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B006	1-02-006-02	0.00	0.00	1.05	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X002	1-02-005-01	0.00	0.00	3.76	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X002	1-02-006-02	0.00	0.00	3.76	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X004	3-90-006-89	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Z003	3-99-999-93	0.00	0.00	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Z005	3-99-999-93	0.00	0.00	0.00	0.00	0.00	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Z006	3-99-999-93	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Totals:		0.00	0.00	102.83	0.00	0.00	17.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Emissions Contacts

Contact Type: Fees

First Name: Lewis

Middle Name/Initial: C.

Last Name: Goidell

Address Line 1: P.O. Box 538704

Address Line 2:

Address City: Cincinnati

City/Village/Township: OH

ZIP Code: 45253 - 8704

Phone Number: (513) 648 - 4124

Contact Type: Inventory

First Name: Lewis

Middle Name/Initial: C.

Last Name: Goidell

Address Line 1: P.O. Box 538704

Address Line 2:

Address City: Cincinnati

City/Village/Township: OH

ZIP Code: 45253 - 8704

Phone Number: (513) 648 - 4142

Contact Type: Statement

First Name: Lewis

Middle Name/Initial: C.

Last Name: Goidell

Address Line 1: P.O. Box 538704

Address Line 2:

Address City: Cincinnati

City/Village/Township: OH

ZIP Code: 45253 - 8704

Phone Number: (513) 648 - 4142

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAG
Facility ID: 14-31-11-0128

Documents Linked To: FEMP-ES-1996

Document Name	Emissions Unit ID
B001-ES-1996	B001
B003-ES-1996	B003
B006-ES-1996	B006
B007-ES-1996	X002
P274-ES-1996	X004
Z003-ES-1996	Z003
Z005-ES-1996	Z005
Z006-ES-1996	Z006



State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: B001-ES-1996

Emissions Reporting Form: Emissions Unit Information

General Information

- 1. Emissions form(s): Emissions fee report Emissions statement Emissions inventory
- 2. Reporting period: 1996
- 3. OEPA ID(s): COAL FIRED BOILER (B001)
- 4. Annual operating hours: 3,356

SCC Information

5. Select an SCC ID and complete the table below:

SCC ID: 1-02-002-04

User Description for SCC (optional):

SCC operating rate units: Tons Burned

SCC Annual Operating Rate [SCC Units]: 7,683.00000

Ash (%):

Maximum Hourly Operating Rate [SCC Units]:

Sulfur (%): 0.84

SCC Comments:

6. Emissions information:

SCC ID: 1-02-002-04 Pollutant ID: Nitrogen oxides

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): Yes

Emissions Factor: 14.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/Tons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Emissions Factor

Equipment Description: No Control Method

Operating Rate: 7,683.00000

Year Installed (Secondary):

Emissions Factor

Operating Rate Units:

Control System Capture Efficiency: 0.00

Tons Burned

Control Device Efficiency: 0.00

Emissions [tons/yr]: 53.78

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Supporting Emissions Calculation Data:

Autocalculate

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Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE
 Facility ID: 14-31-11-0128
 Title: B001-ES-1996

Point Information

Emissions point centroid location Horizontal Lat/Long Degrees Minutes Seconds
 Latitude:
 Longitude:

19. Associated emissions egress point:

Emissions Egress Point ID:

Emissions Egress Point Type:

Shape:

Geographical Preference:

Emissions Egress Point Cross Sectional Area [sq ft]:

UTM Zone:

Emissions Egress Point Height [ft]:

UTM Vertical:

Emissions Egress Point Diameter [ft]:

UTM Horizontal:

Exit Gas Temperature at Maximum Operation [° F]:

Longitude:

Exit Gas Temperature at Average Operation [° F]:

Longitude:

Exit Gas Flow at Maximum Operation [acfm]:

Longitude:

Exit Gas Flow at Average Operation [acfm]:

Latitude:

Emission Egress Point Base Elevation [ft]:

Latitude:

Release Height [ft]:

Latitude:

Plume Temperature [° F]:

Continuous Emissions Recorder? (Y/N):

Area of Emissions [sq ft]:

GEP Building Height [ft]:

GEP Building Length [ft]:

GEP Building Width [ft]:

Confidential Claims

20. Complete the table below:

Confidential item:

Basis for confidentiality claim:

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Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE
 Facility ID: 14-31-11-0128
 Title: B003-ES-1996

6. Emissions information: (continued)

SCC ID: 1-02-002-04 Pollutant ID: Volatile organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): Yes

Emissions Factor: 0.07000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/Tons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 5,541.00000

Control System Capture Efficiency: 0.00

Emissions Factor

Control Device Efficiency: 0.00

Operating Rate Units:

Overall Device Efficiency: 0.00

Tons Burned

Annual Adjustment Factor: 0.00

Emissions (tons/yr): 0.19

Supporting Emissions Calculation Data:

Autocalculate

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
1-02-002-04	0	0	38.79	0	0	0.19	0	0	0	0	0	0	0	0
Totals:	0	0	38.79	0	0	0.19	0							

Schedule

8. Boiler design capacity/heat input: (MMBtu/hr)

9. Space heat: (%)

10. Annual throughput:

11. Normal operating schedule

December - February: 75.90 (%)

Hours/day: 24

March - May: 24.10 (%)

Days/week: 7

June - August: 0.00 (%)

Weeks/year: 26

September - November: 0.00 (%)

12. Peak ozone season daily emissions rate:

VOC: 0.000 (lbs/day)

NOx: 0.000 (lbs/day)

Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

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State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: B006-ES-1996

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): Emissions fee report Emissions statement Emissions inventory
2. Reporting period: 1996
3. OEPA ID(s): NAT-GAS FIRED BOILER (B006)
4. Annual operating hours: 1,893

SCC Information

5. Select an SCC ID and complete the table below:

SCC ID: 1-02-006-02

User Description for SCC (optional):

SCC operating rate units: Million Cubic Feet Burned

SCC Annual Operating Rate (SCC Units): 40.69500

Ash [%]:

Maximum Hourly Operating Rate (SCC Units):

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: 1-02-006-02 Pollutant ID: Nitrogen oxides

Emissions Method Description: Source tests or other measurements

Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): No

Emissions Factor:

Primary Control

Emissions Factor Units:

Equipment Description: Miscellaneous Control Devices (Other)

Year Installed (Primary): 1992

Factor Controlled? (Y/N):

Secondary Control

Equipment Description: No Control Method

Year Installed (Secondary):

Emissions Factor

Operating Rate:

Control System Capture Efficiency: 100.00

Emissions Factor

Operating Rate Units:

Control Device Efficiency: 25.00

Overall Device Efficiency: 25.00

Annual Adjustment Factor: 0.00

Emissions (tons/yr): 1.05

Supporting Emissions Calculation Data:

Obtained through stack testing, NOx emissions are based on an emission factor of 0.049 lb NOx/MMBtu heat input.

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Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: B006-ES-1996

Point Information

Emissions point centroid location Horizontal Lat/Long Degrees Minutes Seconds
 Latitude:
 Longitude:

19. Associated emissions egress point:

Emissions Egress Point ID:

Emissions Egress Point Type:

Shape:

Geographical Preference:

Emissions Egress Point Cross Sectional Area [sq ft]:

UTM Zone:

Emissions Egress Point Height (ft):

UTM Vertical:

Emissions Egress Point Diameter (ft):

UTM Horizontal:

Exit Gas Temperature at Maximum Operation [* F]:

Longitude:

Exit Gas Temperature at Average Operation [* F]:

Longitude:

Exit Gas Flow at Maximum Operation [acfm]:

Longitude:

Exit Gas Flow at Average Operation [acfm]:

Latitude:

Emission Egress Point Base Elevation (ft):

Latitude:

Release Height (ft):

Latitude:

Plume Temperature [* F]:

Continuous Emissions Recorder? (Y/N):

Area of Emissions [sq ft]:

GEP Building Height (ft):

GEP Building Length (ft):

GEP Building Width (ft):

Confidential Claims

20. Complete the table below:

Confidential item:

Basis for confidentiality claim:

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE
 Facility ID: 14-31-11-0128
 Title: B007-ES-1996

6 Emissions information: (continued)

SCC ID: 1-02-006-02 Pollutant ID: Volatile organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): Yes

Emissions Factor: 2.80000

Primary Control

Emissions Factor Units:

Equipment Description: Modified Furnace/Burner Designer

lbs/Million Cubic Feet Burned

Year Installed (Primary): 1996

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 79.36160

Control System Capture Efficiency: 100.00

Emissions Factor

Control Device Efficiency: 0.00

Operating Rate Units:

Overall Device Efficiency: 0.00

Million Cubic Feet Burned

Annual Adjustment Factor: 0.00

Emissions (tons/yr): 0.11

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 1-02-005-01 Pollutant ID: Nitrogen oxides

Emissions Method Description: Source tests or other measurements

Overall Efficiency Method: Estimated

Auto-calculate Emissions? (Y/N): No

Emissions Factor:

Primary Control

Emissions Factor Units:

Equipment Description: Modified Furnace/Burner Designer

Year Installed (Primary): 1996

Factor Controlled? (Y/N):

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate:

Control System Capture Efficiency: 100.00

Emissions Factor

Control Device Efficiency: 25.00

Operating Rate Units:

Overall Device Efficiency: 25.00

Annual Adjustment Factor: 0.00

Emissions (tons/yr): 0.09

Supporting Emissions Calculation Data:

See attached file ENERGY96.WK4

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Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: B007-ES-1996

Point Information

Emissions point centroid location:

UTM Zone Vertical Horizontal Lat/Long Degrees Minutes Seconds

Latitude:

Longitude:

19. Associated emissions egress point:

Emissions Egress Point ID:

Emissions Egress Point Type:

Shape:

Geographical Preference:

Emissions Egress Point Cross Sectional Area (sq ft):

UTM Zone:

Emissions Egress Point Height (ft):

UTM Vertical:

Emissions Egress Point Diameter (ft):

UTM Horizontal:

Exit Gas Temperature at Maximum Operation (° F):

Longitude:

Exit Gas Temperature at Average Operation (° F):

Longitude:

Exit Gas Flow at Maximum Operation (acfm):

Longitude:

Exit Gas Flow at Average Operation (acfm):

Latitude:

Emission Egress Point Base Elevation (ft):

Latitude:

Release Height (ft):

Latitude:

Plume Temperature (° F):

Continuous Emissions Recorder? (Y/N):

Area of Emissions (sq ft):

GEP Building Height (ft):

GEP Building Length (ft):

GEP Building Width (ft):

Confidential Claims

20. Complete the table below:

Confidential item:

Basis for confidentiality claim:

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Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE
 Facility ID: 14-31-11-0128
 Title: P274-ES-1996

6 Emissions information: (continued)

SCC ID: 3-90-006-89 Pollutant ID: Volatile organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate) Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): Yes

Primary Control
 Equipment Description: No Control Method

Year Installed (Primary):

Secondary Control
 Equipment Description: No Control Method

Year Installed (Secondary):

Control System Capture Efficiency: 0.00

Control Device Efficiency: 0.00

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions Factor: 5.30000

Emissions Factor Units:
 lbs/Million Cubic Feet Burned

Factor Controlled? (Y/N): No

Emissions Factor
 Operating Rate: 1.62460

Emissions Factor
 Operating Rate Units:

Million Cubic Feet Burned

Emissions (tons/yr): 0.00

Supporting Emissions Calculation Data:

Autocalculate

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
3-90-006-89	0	0	0.08	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0.08	0										

Schedule

8. Boiler design capacity/heat input: (MMBtu/hr) 9. Space heat: (%)
 10. Annual throughput: 11. Normal operating schedule
 December - February: 26.41 (%) Hours/day: 24
 March - May: 24.38 (%) Days/week: 7
 June - August: 23.76 (%) Weeks/year: 52
 September - November: 25.46 (%)

12. Peak ozone season daily emissions rate: VOC: 0.000 (lbs/day) NOx: 0.410 (lbs/day) Autocalculated

Inventory

13. Construction date: 14. Modification date:
 15. Shutdown date:
 16. Emissions unit comments (optional):
 Federally-enforceable operating restrictions:

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State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE
 Facility ID: 14-31-11-0128
 Title: 2003-ES-1996

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): Emissions fee report Emissions statement Emissions inventory
2. Reporting period: 1996
3. OEPA ID(s): PERCHLORIC LAB HOOD SYSTEM (2003)
4. Annual operating hours: 8,760

SCC Information

5. Select an SCC ID and complete the table below:

SCC ID: 3-99-999-93

User Description for SCC (optional):

SCC operating rate units: Parts Processed

SCC Annual Operating Rate [SCC Units]: 0.00000

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: 0.000

Sulfur [%]:

SCC Comments: Laboratory operations

6. Emissions information:

SCC ID: 3-99-999-93 Pollutant ID: Nitrogen oxides

Emissions Method Description: Best engineering judgement

Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): No

Emissions Factor:

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control

Equipment Description: No Control Method

Year Installed (Secondary):

Emissions Factor

Operating Rate:

Control System Capture Efficiency: 0.00

Emissions Factor

Operating Rate Units:

Control Device Efficiency: 0.00

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 4.89

Supporting Emissions Calculation Data:

$(0.093 \text{ lb NOx/hr-Hood})(8760 \text{ hr/yr})(1 \text{ ton}/2000 \text{ lb})(12 \text{ Hoods}) = 4.89 \text{ tons NOx/year}$ ——— $(4.89 \text{ tons NOx/yr})(1 \text{ yr}/365 \text{ days})(2000 \text{ lb/ton}) = 26.79 \text{ lb NOx/day}$

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
3-99-999-93	0	0	4.89	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	4.89	0	0	0	0	0	0	0	0	0	0	0

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: 2003-ES-1996

19 Associated emissions egress point:

Emissions Egress Point ID:

Emissions Egress Point Type:

Geographical Preference:

UTM Zone:

UTM Vertical:

UTM Horizontal:

Longitude:

Longitude:

Longitude:

Latitude:

Latitude:

Latitude:

Continuous Emissions
Recorder? (Y/N):

GEP Building Height (ft):

GEP Building Length (ft):

GEP Building Width (ft):

Shape:

Emissions Egress Point Cross Sectional Area (sq ft):

Emissions Egress Point Height (ft):

Emissions Egress Point Diameter (ft):

Exit Gas Temperature at Maximum Operation (* F):

Exit Gas Temperature at Average Operation (* F):

Exit Gas Flow at Maximum Operation (acfm):

Exit Gas Flow at Average Operation (acfm):

Emission Egress Point Base Elevation (ft):

Release Height (ft):

Plume Temperature (* F):

Area of Emissions (sq ft):

Confidential Claims

20. Complete the table below:

Confidential item:

Basis for confidentiality claim:

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE
 Facility ID: 14-31-11-0128
 Title: Z005-ES-1996

Schedule

Boiler design capacity/heat input: (MMBtu/hr) 9. Space heat: (%)

10. Annual throughput: 11. Normal operating schedule

 December - February: 25.00 (%) Hours/day: 24

 March - May: 25.00 (%) Days/week: 7

 June - August: 25.00 (%) Weeks/year: 52

 September - November: 25.00 (%)

12. Peak ozone season VOC: 94.790 (lbs/day) Autocalculated
 daily emissions
 rate: NOx: 0.000 (lbs/day)

Inventory

13. Construction date: 14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

Federally-enforceable operating restrictions:

Point Information

18. Emissions point centroid location:

UTM Zone Vertical Horizontal Lat/Long Degrees Minutes Seconds

 Latitude:

 Longitude:

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State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: Z006-ES-1996

Emissions Reporting Form: Emissions Unit Information

General Information

- 1. Emissions form(s): Emissions fee report Emissions statement Emissions inventory
- 2. Reporting period: 1996
- 3. OEPA ID(s): BIOASSAY AND LOW-LEVEL LABS - (BLDG. 53) (Z006)
- 4. Annual operating hours: 8,760

SCC Information

5. Select an SCC ID and complete the table below:

SCC ID: 3-99-999-93

User Description for SCC (optional):

SCC operating rate units: Parts Processed

SCC Annual Operating Rate [SCC Units]: 0.00000

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: 3-99-999-93 Pollutant ID: Nitrogen oxides

Emissions Method Description: Best engineering judgement

Overall Efficiency Method: Not applicable

Auto-calculate Emissions? (Y/N): No

Emissions Factor:

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control

Equipment Description: No Control Method

Year Installed (Secondary):

Emissions Factor

Operating Rate:

Control System Capture Efficiency: 0.00

Emissions Factor

Operating Rate Units:

Control Device Efficiency: 0.00

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions (tons/yr): 0.48

Supporting Emissions Calculation Data:

(210 Gal HNO3/yr)(8.34 lb/gal)(1.502s.g.)(50%)(lb-mole/63.02 lb HNO3)(46.01 lb NO2/mole HNO3) = 960.28 lb NO2/yr = 0.48 tons NO2/yr — (0.48 tons NO2/yr)(1 yr/365 days)(2000 lb/ton) = 2.63 lb NO2/day - Ozone season

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
3-99-999-93	0	0	0.48	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0.48	0	0	0	0	0	0	0	0	0	0	0

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Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIR. MANAGE

Facility ID: 14-31-11-0128

Title: 2006-ES-1996

19 Associated emissions egress point:

Emissions Egress Point ID:

Emissions Egress Point Type:

Shape:

Geographical Preference:

Emissions Egress Point Cross Sectional Area (sq ft):

UTM Zone:

Emissions Egress Point Height (ft):

UTM Vertical:

Emissions Egress Point Diameter (ft):

UTM Horizontal:

Exit Gas Temperature at Maximum Operation (* F):

Longitude:

Exit Gas Temperature at Average Operation (* F):

Longitude:

Exit Gas Flow at Maximum Operation (acfm):

Longitude:

Exit Gas Flow at Average Operation (acfm):

Latitude:

Emission Egress Point Base Elevation (ft):

Latitude:

Release Height (ft):

Latitude:

Plume Temperature (* F):

Continuous Emissions Recorder? (Y/N):

Area of Emissions (sq ft):

GEP Building Height (ft):

GEP Building Length (ft):

GEP Building Width (ft):

Confidential Claims

20. Complete the table below:

Confidential item:

Basis for confidentiality claim: