

Fluor Fernald, Inc.  
P.O. Box 538704  
Cincinnati, OH 45253-8704

2908

(513)648-3000

**FLUOR** GLOBAL SERVICES

April 12, 2000

Fernald Environmental Management Project  
Letter No. C: ESHQ:2000-0005

Division of Air Pollution Control  
Attention: Synthetic Minor FER  
P.O. Box 1049  
Columbus, Ohio 43215

Dear Coordinator:

**FEE EMISSION REPORTS - SYNTHETIC MINOR TITLE V**

Enclosed is a printout of the 1999 electronic Fee Emission Report (FER) generated using the STARShip program for the Fernald Environmental Management Project (FEMP). The STARShip program has calculated total facility emissions of less than 10 tons for 1999.

If you have any questions, please contact Phillip Spotts of my staff at (513) 648-5295.

Sincerely,



Dennis J. Carr  
Vice President

DJC:KOK:jes  
Enclosure

c: File Record Subject: Fee Emission Reports - Synthetic Minor Title V - 1999  
Irma Brown, DOE Contracting Officer, MS45  
K. O. Klee, Fluor Fernald, Inc., MS65-2  
T. A. Poff, Fluor Fernald, Inc., MS65-2  
E. P. Skintik, DOE-FEMP, MS45  
P. B. Spotts, Fluor Fernald, Inc., MS65-2  
Administrative Record, MS78

000001



State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGEM

Facility ID: 14-31-11-0128

Title: SMTV FEE REPORT 1999

### Emissions Reporting Form: Facility Information

# 2908

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
B006	1-02-005-01	0.12	0.02	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B006	1-02-006-02	0.12	0.02	2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G001	4-03-001-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G001	4-03-001-07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G001	4-06-001-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G001	4-06-001-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G001	4-06-003-05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G001	4-06-003-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P284	3-99-999-93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T160	4-03-010-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T160	4-03-010-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T160	4-03-012-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X001	1-02-006-02	0.12	0.02	3.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
X002	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
<b>Totals:</b>		<b>0.24</b>	<b>0.04</b>	<b>6.64</b>	<b>0.00</b>	<b>0.31</b>	<b>0.00</b>								

#### Emissions Contacts

##### Contact Type: Fees

First Name: Phillip

Middle Name/Initial: B.

Last Name: Spotts

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 - 5295

##### Contact Type: Inventory

First Name: Phillip

Middle Name/Initial: B.

Last Name: Spotts

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 - 5295

##### Contact Type: Statement

First Name: Phillip

Middle Name/Initial: B.

Last Name: Spotts

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 - 5295

THIS IS A SYNTHETIC MINOR FER

# 000002

Documents Linked To: SMTV FEE REPORT 1999

2908

Document Name	Emissions Unit ID
1999-B006-FEE REPORT	B006
1999-T160-FEE REPORT	T160
1999-G001-FEE REPORT	G001
1999-X001-FEE REPORT	X001
1999-X002-FEE REPORT	X002
1999-P284-FEE REPORT	P284



6. Emissions information: (continued)

SCC ID: 1-02-006-02 Pollutant ID: 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: No Control Method

lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 82.03200

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

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: 1-02-006-02 Pollutant ID: Particulate Matter

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 3.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 82.03200

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

Million Cubic Feet Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.12

Supporting Emissions Calculation Data:

Autocalculate

000005

6. Emissions information: (continued)

SCC ID: 1-02-006-02 Pollutant ID: Sulfur dioxide

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.60000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 82.03200

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

Million Cubic Feet Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.02

Supporting Emissions Calculation Data:

Autocalculate

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

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 20.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/1000 Gallons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 0.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

000006

6. Emissions information: (continued)

SCC ID: 1-02-005-01 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.20000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 0.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 1-02-005-01 Pollutant ID: Lead

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.00040

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 0.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

000007

6. Emissions information: (continued)

SCC ID: 1-02-005-01 Pollutant ID: Particulate Matter

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 2.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 0.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 1-02-005-01 Pollutant ID: Sulfur dioxide

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 143.60000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 0.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Burned

Annual Adjustment Factor: 0.00

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
1-02-006-02	0.12	0.02	2.87	0	0.11	0	0	0	0	0	0	0	0	0
1-02-005-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>0.12</b>	<b>0.02</b>	<b>2.87</b>	<b>0</b>	<b>0.11</b>	<b>0</b>								



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:



6. Emissions information:

SCC ID: 4-03-010-19      Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.39000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/1000 Gallons Storage Capacity

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 10.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Storage Capacity

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 4-03-010-21      Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.02000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/1000 Gallons Throughput

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 5.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Throughput

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

000012

6. Emissions information: (continued)

SCC ID: 4-03-012-06 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.02200

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Throughput

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Operating Rate: 5.00000

Year Installed (Secondary):

Emissions Factor

Operating Rate Units:

Control System Capture Efficiency:

1000 Gallons Throughput

Control Device Efficiency:

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

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
4-03-010-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-03-010-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-03-012-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Schedule**

8. Boiler design capacity/heat input:	(MMBtu/hr)	9. Space heat:	(%)
10. Annual throughput:		11. Normal operating schedule	
December - February:	(%)	Hours/day:	
March - May:	(%)	Days/week:	
June - August:	(%)	Weeks/year:	
September - November:	(%)		
12. Peak ozone season daily emissions rate:	VOC: (lbs/day)	<input type="checkbox"/> Autocalculated	
	NOx: (lbs/day)		

**Inventory**

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

**Point Information**

18. 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:



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

SCC ID: **4-06-001-35**

User Description for SCC (optional): **Balanced Submerged Filling**

SCC operating rate units: **1000 Gallons Transferred**

SCC Annual Operating Rate [SCC Units]: **57.35000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: **4-03-001-07**

User Description for SCC (optional): **Above ground tank emissions**

SCC operating rate units: **1000 Gallons Storage Capacity**

SCC Annual Operating Rate [SCC Units]: **6.00000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **4-06-003-05** Pollutant ID: **Organic compounds**

Emissions Method Description: **SCC Emissions Factor (autocalculate)**

Overall Efficiency Method: **Estimated**

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

Emissions Factor: **1.00000**

Primary Control

Emissions Factor Units:

Equipment Description: **Submerged Filling**

**lbs/1000 Gallons Transferred**

Year Installed (Primary): **1995**

Factor Controlled? (Y/N): **No**

Secondary Control

Equipment Description: **No Control Method**

Emissions Factor

Operating Rate: **48.90200**

Year Installed (Secondary):

Emissions Factor

Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **63.00**

**1000 Gallons Transferred**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.01**

Supporting Emissions Calculation Data:

**Autocalculate**

6. Emissions information: (continued)

SCC ID: 4-06-003-06 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Estimated

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

Emissions Factor: 0.30000

Primary Control

Emissions Factor Units:

Equipment Description: Vapor Lock Balance Recovery System

lbs/1000 Gallons Throughput

Year Installed (Primary): 1995

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 48.90200

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 93.00

1000 Gallons Throughput

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 4-03-001-01 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 23.50000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Storage Capacity

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 6.00000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Storage Capacity

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.07

Supporting Emissions Calculation Data:

Autocalculate

6. Emissions information: (continued)

SCC ID: 4-06-001-30 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Estimated

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

Emissions Factor: 0.48000

Primary Control

Emissions Factor Units:

Equipment Description: Submerged Filling

lbs/1000 Gallons Transferred

Year Installed (Primary): 1995

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 57.35000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Transferred

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.01

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 4-06-001-35 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.01000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/1000 Gallons Transferred

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 57.35000

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

1000 Gallons Transferred

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Autocalculate

**6. Emissions information: (continued)**

**SCC ID: 4-03-001-07**    **Pollutant ID: Organic compounds**

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

Auto-calculate Emissions? (Y/N): **Yes**      Emissions Factor: **0.39000**

Primary Control      Emissions Factor Units:

Equipment Description: **No Control Method**      **lbs/1000 Gallons Storage Capacity**

Year Installed (Primary):      Factor Controlled? (Y/N): **No**

Secondary Control      Emissions Factor

Equipment Description: **No Control Method**      Operating Rate: **6.00000**

Year Installed (Secondary):      Emissions Factor

Control System Capture Efficiency:      Operating Rate Units:

Control Device Efficiency:      **1000 Gallons Storage Capacity**

Overall Device Efficiency: **0.00**      Emissions [tons/yr]: **0.00**

Annual Adjustment Factor: **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
4-06-003-05	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
4-06-003-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-03-001-01	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0
4-06-001-30	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
4-06-001-35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-03-001-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.09</b>	<b>0</b>								

**Schedule**

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

10. Annual throughput:      11. Normal operating schedule

December - February: (%)      Hours/day:

March - May: (%)      Days/week:

June - August: (%)      Weeks/year:

September - November: (%)

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

rate:

**Inventory**

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

**Point Information**

18. Emissions point centroid location:  
 UTM    Zone    Vertical    Horizontal     Lat/Long    Degrees    Minutes    Seconds  
 Latitude: \_\_\_\_\_  
 Longitude: \_\_\_\_\_

19. Associated emissions egress point:

Emissions Egress Point ID:	Shape:
Emissions Egress Point Type:	Emissions Egress Point Cross Sectional Area [sq ft]:
Geographical Preference:	Emissions Egress Point Height [ft]:
UTM Zone:	Emissions Egress Point Diameter [ft]:
UTM Vertical:	Exit Gas Temperature at Maximum Operation [° F]:
UTM Horizontal:	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]:	

\_\_\_\_\_



State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGEM

Facility ID: 14-31-11-0128

Title: 1999-X001-FEE REPORT

2908

### Emissions Reporting Form: Emissions Unit Information

#### General Information

1. Emissions form(s):  Emissions fee report     Emissions statement     Emissions inventory
2. Reporting period: 1999
3. OEPA ID(s): NAT-GAS FIRED BOILER (B008)  
NAT-GAS FIRED BOILER (B009)  
NAT-GAS FIRED BOILER (B007)
4. Annual operating hours: 3,496

#### 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]: 79.78550

Ash [%]:

Sulfur [%]:

Maximum Hourly Operating Rate [SCC Units]:

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: 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

Year Installed (Secondary):

Emissions Factor

Control System Capture Efficiency:

Operating Rate:

Control Device Efficiency:

Emissions Factor

Overall Device Efficiency: 25.00

Operating Rate Units:

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 3.69

Supporting Emissions Calculation Data:

Obtained through stack testing, NOx emissions are based on an emission factor of 0.088 lb NOx/MMBtu heat input.

6. Emissions information: (continued)

SCC ID: 1-02-006-02 Pollutant ID: 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: No Control Method

Ibs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 79.78550

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

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: 1-02-006-02 Pollutant ID: Particulate Matter

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 3.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 79.78550

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

Million Cubic Feet Burned

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.12

Supporting Emissions Calculation Data:

Autocalculate

6. Emissions information: (continued)

SCC ID: 1-02-006-02 Pollutant ID: Sulfur dioxide

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 0.60000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Emissions Factor

Equipment Description: No Control Method

Operating Rate: 79.78550

Year Installed (Secondary):

Emissions Factor

Control System Capture Efficiency:

Operating Rate Units:

Control Device Efficiency:

Million Cubic Feet Burned

Overall Device Efficiency: 0.00

Emissions [tons/yr]: 0.02

Annual Adjustment Factor: 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
1-02-006-02	0.12	0.02	3.69	0	0.11	0	0	0	0	0	0	0	0	0
<b>Totals:</b>	<b>0.12</b>	<b>0.02</b>	<b>3.69</b>	<b>0</b>	<b>0.11</b>	<b>0</b>								

Schedule

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

9. Space heat: (%)

10. Annual throughput:

11. Normal operating schedule

December - February: (%)

Hours/day:

March - May: (%)

Days/week:

June - August: (%)

Weeks/year:

September - November: (%)

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

Autocalculated

NOx: (lbs/day)

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

**Point Information**

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:



State of Ohio Environmental Protection Agency

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGEM

Facility ID: 14-31-11-0128

Title: 1999-X002-FEE REPORT

2908

### Emissions Reporting Form: Emissions Unit Information

#### General Information

1. Emissions form(s):  Emissions fee report     Emissions statement     Emissions inventory
2. Reporting period: 1999
3. OEPA ID(s): NON-RAD CONTAMINATED LAUNDRY (P275)  
NON-RAD CONTAMINATED LAUNDRY (P287)  
RAD-CONTAMINATED LAUNDRY (P274)
4. Annual operating hours: 8,760

#### SCC Information

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

SCC ID: 3-90-006-89

User Description for SCC (optional): Laundry Dryers

SCC operating rate units: Million Cubic Feet Burned

SCC Annual Operating Rate [SCC Units]: 1.58900

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: 3-90-006-89    Pollutant ID: Nitrogen oxides

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 100.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Emissions Factor

Equipment Description: No Control Method

Operating Rate: 1.58900

Year Installed (Secondary):

Emissions Factor

Control System Capture Efficiency:

Operating Rate Units:

Control Device Efficiency:

Million Cubic Feet Burned

Overall Device Efficiency: 0.00

Emissions [tons/yr]: 0.08

Annual Adjustment Factor: 0.00

Supporting Emissions Calculation Data:

Autocalculate

6. Emissions information: (continued)

SCC ID: 3-90-006-89 Pollutant ID: Organic compounds

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 5.30000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Emissions Factor

Equipment Description: No Control Method

Operating Rate: 1.58900

Year Installed (Secondary):

Emissions Factor

Control System Capture Efficiency:

Operating Rate Units:

Control Device Efficiency:

Million Cubic Feet Burned

Overall Device Efficiency: 0.00

Emissions [tons/yr]: 0.00

Annual Adjustment Factor: 0.00

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 3-90-006-89 Pollutant ID: Particulate Matter

Emissions Method Description: SCC Emissions Factor (autocalculate)

Overall Efficiency Method: Not applicable

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

Emissions Factor: 3.00000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

Ibs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Emissions Factor

Equipment Description: No Control Method

Operating Rate: 1.58900

Year Installed (Secondary):

Emissions Factor

Control System Capture Efficiency:

Operating Rate Units:

Control Device Efficiency:

Million Cubic Feet Burned

Overall Device Efficiency: 0.00

Emissions [tons/yr]: 0.00

Annual Adjustment Factor: 0.00

Supporting Emissions Calculation Data:

Autocalculate

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6. Emissions information: (continued)

SCC ID: 3-90-006-89 Pollutant ID: Sulfur dioxide

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

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

Emissions Factor: 0.60000

Primary Control

Emissions Factor Units:

Equipment Description: No Control Method

lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control

Equipment Description: No Control Method

Emissions Factor

Year Installed (Secondary):

Operating Rate: 1.58900

Control System Capture Efficiency:

Emissions Factor

Control Device Efficiency:

Operating Rate Units:

Overall Device Efficiency: 0.00

Million Cubic Feet Burned

Annual Adjustment Factor: 0.00

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	0	0	0	0	0	0	0	0	0	0

Schedule

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

10. Annual throughput: 11. Normal operating schedule

December - February: (%)

Hours/day:

March - May: (%)

Days/week:

June - August: (%)

Weeks/year:

September - November: (%)

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

Inventory

13. Construction date: 14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

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**Point Information**

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:



**Schedule**

8. Boiler design capacity/heat input: (MMBtu/hr)      9. Space heat: (%)      **2908**

10. Annual throughput:

December - February:	(%)	Hours/day:
March - May:	(%)	Days/week:
June - August:	(%)	Weeks/year:
September - November:	(%)	

11. Normal operating schedule

12. Peak ozone season daily emissions rate:

VOC:	(lbs/day)	<input type="checkbox"/> Autocalculated
NOx:	(lbs/day)	

**Inventory**

13. Construction date:      14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

**Point Information**

18. 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: