7621 G-000-104.225

RECEIPT SUBMISSION OF TITLE V EMISSION FEE REPORT - 1995

04/23/96

DOE-0804-96
DOE-FN EPAS
2
LETTER

7621

Department of Energy

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

APR 23 1996

DOE-0804-96

Ohio Environmental Protection Agency
Division of Air Pollution Control
Permit Management Unit
P.O. Box 1049
Columbus, Ohio 43216-1049

Dear Sirs:

RECEIPT SUBMISSION OF TITLE V EMISSION FEE REPORT - 1995

Enclosed is the signed receipt for the Title V Emission Fee Report - 1995. This report was transmitted electronically to the Ohio Environmental Protection Agency (OEPA) Bulletin Board Service (BBS) on April 12, 1996, and was assigned control number 0000001800.

Sincerely,

Jack R. Craig
Director

FN:Skintik

cc w/enc:

T. D. Hagen, FERMCO
AR Coordinator, FERMCO

Recycled and Recyclable

Ohio EPA Bulletin Board Service Receipt Verification/Certification Regarding Content of the Electronically Transmitted Fee Emission Report Control Number **0000001800**:

U.S. DEPT. OF ENERGY-FERNALD EVNR.

1431110128

Date and Time of Export: 4/12/1996 at 12:56 PM

Reporting Period: 1995

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.
Making of any false material statement, representation or certification constitutes a violation of ORC 3704.05(H), and subjects the responsible party signing this statement to civil and/or criminal penalties as provided in ORC 3704.06(C) and ORC 3704.99(B).

I, being the owner or operator of a source subject to OAC Chapter 3745-78 or person authorized by the owner or operator to sign, hereby affirm that the information contained within the Fee Emission Report, which was electronically transmitted to Ohio EPA and identified as control number 0000001800, is true and complete to the best of my knowledge for each of the air emission units (sources) described within the Fee Emission Report and that all estimates and judgements relating to such information have been made in good faith.

Total facility emissions:

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

Particulate	24.30
Organic Compounds	18.55
Sulfur Dioxide	329.25
Nitrogen Oxides	155.79
Lead	0

Name (Please Print) Jack R. Craig

Authorized Signature Jack R. Craig

Title Director, U.S. DOE FEMP

Date 4-23-96

There were a total of 23 emissions units/groups in this submittal.
The receipts should be sent to: Ohio EPA, Division of Air Pollution Control
Permit Management Unit, P.O. Box 1049, Columbus, OH 43216-1049

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Lead	0

Name (Please Print) Jack R. Craig

Authorized Signature _____

Title Director, U.S. DOE FEMP

Date _____

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Permit Management Unit, P.O. Box 1049, Columbus, OH 43216-1049

7621

OhioEPA

State of Ohio Environmental Protection Agency

1
2

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAG
Facility ID: 14-31-11-0128
Title: FEMP-FEE-95

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	9.10	197.72	89.24	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
B003	1-02-002-04	5.91	131.51	58.39	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
B006	1-02-006-02	0.00	0.00	0.16	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	4-06-003-05	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
K002	4-02-999-98	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
P227	3-99-999-99	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
P266	3-05-888-01	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
P274	3-30-001-99	0.12	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P274	3-90-006-89	0.12	0.00	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P275	3-30-001-99	1.00	0.02	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P275	3-90-006-89	1.00	0.02	2.50	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
P287	3-30-001-99	0.03	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P287	3-90-006-89	0.03	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P288	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
T117	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
T117	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
T117	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
T126	3-01-870-09	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
T126	3-01-870-10	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
T127	4-07-008-15	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
T127	4-07-008-16	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
T127	4-90-999-99	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
T158	3-01-870-09	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
T158	3-01-870-10	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
Z003	3-99-999-93	7.57	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
Z004	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
Z005	3-99-999-93	0.57	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
Z008	5-01-007-01	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
Z010	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
Z012	3-85-001-01	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
	Totals:	24.30	329.25	155.79	0.00	18.55	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00

Emissions Contacts

Contact Type: **Fees**

First Name: **Steve**
Middle Name/Initial: **M.**
Last Name: **Beckman**
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 - 5264**

000004

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: FEMP-FEE-95

Contact Type: Inventory

First Name:
Middle Name/Initial:
Last Name:
Address Line 1:
Address Line 2:
Address City:
City/Village/Township:
ZIP Code: -
Phone Number: ( ) -

Contact Type: Statement

First Name:
Middle Name/Initial:
Last Name:
Address Line 1:
Address Line 2:
Address City:
City/Village/Township:
ZIP Code: -
Phone Number: ( ) -

000005

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

Documents Linked To: **FEMP-FEE-95**

Document Name	Emissions Unit ID
B001-FEE-95	B001
B003-FEE-95	B003
B006-FEE-95	B006
G001-FEE-95	G001
K002-FEE-95	K002
P227-FEE-95	P227
P266-FEE-95	P266
P274-FEE-95	P274
P275-FEE-95	P275
P284-FEE-95	P284
P287-FEE-95	P287
P288-FEE-95	P288
T117-FEE-95	T117
T126-FEE-95	T126
T127-FEE-95	T127
T158-FEE-95	T158
T160-FEE-95	T160
Z003-FEE-95	Z003
Z004-FEE-95	Z004
Z005-FEE-95	Z005
Z008-FEE-95	Z008
Z010-FEE-95	Z010
Z012-FEE-95	Z012

000006

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ **Emissions fee report** ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: **1995**

3. OEPA ID(s): **COAL FIRED BOILER (B001)**

4. Annual operating hours: **6,595**

SCC Information

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

SCC ID: **1-02-002-04**

User Description for SCC (optional): **100 MMBtu/hr Coal Fired Boiler**

SCC operating rate units: **Tons Burned**

SCC Annual Operating Rate [SCC Units]: **12,749.00000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]: **0.80**

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**

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **14.00000**

Emissions Factor Units: **lbs/Tons Burned**

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

Emissions Factor Operating Rate: **12,749.00000**

Emissions Factor Operating Rate Units: **Tons Burned**

Emissions [tons/yr]: **89.24**

Supporting Emissions Calculation Data:

Autocalculate

000007

6. Emissions information: (continued)

SCC ID: **1-02-002-04** Pollutant ID: **Organic compounds**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.07000**

Emissions Factor Units:

lbs/Tons Burned

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

Emissions Factor Operating Rate: **12,749.00000**

Emissions Factor Operating Rate Units:

Tons Burned

Emissions [tons/yr]: **0.45**

SCC ID: **1-02-002-04** Pollutant ID: **Lead**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.01330**

Emissions Factor Units:

lbs/Tons Burned

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

Emissions Factor Operating Rate: **12,749.00000**

Emissions Factor Operating Rate Units:

Tons Burned

Emissions [tons/yr]: **0.08**

000008

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B001-FEE-95

6. Emissions information: (continued)

SCC ID: **1-02-002-04** Pollutant ID: **Particulate Matter**

Emissions Method Description: **Source tests or other measurements**

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

Primary Control Equipment Description: **Electrostatic Precipitator Low Efficiency**

Year Installed (Primary): **1978**

Secondary Control Equipment Description:

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **99.70**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Tested**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **9.10**

Supporting Emissions Calculation Data:

0.056lbPM/MMBtu x 25.494 MMBtu/ton x 12749 tons / 2000 lb/ton = 9.10 tons PM

SCC ID: **1-02-002-04** Pollutant ID: **Sulfur dioxide**

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **197.72**

Supporting Emissions Calculation Data:

See attached file COAL95.WK4

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	9.1	197.72	89.24	0	0.45	0	0	0.08	0	0	0	0	0	0
Totals:	9.1	197.72	89.24	0	0.45	0	0	0.08	0	0	0	0	0	0

000009

4
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B001-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February:	(%)
March - May:	(%)
June - August:	(%)
September - November:	(%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:		0	0
Longitude:		0	0

000010

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B001-FEE-95

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:

000011

OhioEPA
State of Ohio Environmental Protection Agency

1
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B003-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): COAL FIRED BOILER (B003)

4. Annual operating hours: 3,380

SCC Information

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

SCC ID: **1-02-002-04**

User Description for SCC (optional): **100 MMBtu/hr Coal Fired Boiler**

SCC operating rate units: **Tons Burned**

SCC Annual Operating Rate [SCC Units]: **8,341.00000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]: **0.80**

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**

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **14.00000**

Emissions Factor Units: **lbs/Tons Burned**

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

Emissions Factor Operating Rate: **8,341.00000**

Emissions Factor Operating Rate Units: **Tons Burned**

Emissions [tons/yr]: **58.39**

Supporting Emissions Calculation Data:

Autocalculate

000012

6. Emissions information: (continued)

SCC ID: **1-02-002-04** Pollutant ID: **Organic compounds**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.07000**

Emissions Factor Units: **lbs/Tons Burned**

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

Emissions Factor Operating Rate: **8,341.00000**

Emissions Factor Operating Rate Units: **Tons Burned**

Emissions [tons/yr]: **0.29**

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: **1-02-002-04** Pollutant ID: **Lead**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.01330**

Emissions Factor Units: **lbs/Tons Burned**

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

Emissions Factor Operating Rate: **8,341.00000**

Emissions Factor Operating Rate Units: **Tons Burned**

Emissions [tons/yr]: **0.06**

Supporting Emissions Calculation Data:

Autocalculate

000013

6. Emissions information: (continued)

SCC ID: **1-02-002-04** Pollutant ID: **Particulate Matter**

Emissions Method Description: **Source tests or other measurements**

Overall Efficiency Method: **Tested**

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

Primary Control Equipment Description: **Electrostatic Precipitator High Efficiency**

Year Installed (Primary): **1978**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **99.70**

Annual Adjustment Factor: **0.00**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **5.91**

Supporting Emissions Calculation Data:

0.056lbPM/MMBtu x 25.29 MMBtu/ton x 8341 tons / 2000 lb/ton = 5.91 tons PM

SCC ID: **1-02-002-04** Pollutant ID: **Sulfur dioxide**

Emissions Method Description: **Other**

Overall Efficiency Method: **Not applicable**

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

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **131.51**

Supporting Emissions Calculation Data:

See attached file COAL95.WK4

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	5.91	131.51	58.39	0	0.29	0	0	0.06	0	0	0	0	0	0
Totals:	5.91	131.51	58.39	0	0.29	0	0	0.06	0	0	0	0	0	0

000014

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B003-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February:	(%)
March - May:	(%)
June - August:	(%)
September - November:	(%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:		0	0
Longitude:		0	0

000015

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:

000016

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ **Emissions fee report** ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: **1995**

3. OEPA ID(s): **NAT-GAS FIRED BOILER (B006)**

4. Annual operating hours: **144**

SCC Information

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

SCC ID: **1-02-006-02**

User Description for SCC (optional): **100MMBtu/hr Natural Gas Fired Boiler**

SCC operating rate units: **Million Cubic Feet Burned**

SCC Annual Operating Rate [SCC Units]: **2.97900**

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: **SCC Emissions Factor (autocalculate)**

Overall Efficiency Method: **Estimated**

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

Primary Control Equipment Description: **Modified Furnace/Burner Designer**

Year Installed (Primary): **1992**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **25.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **140.00000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **2.97900**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.16**

Supporting Emissions Calculation Data:

Autocalculate; System Uses a Low NOx burner

000017

6. Emissions information: (continued)

SCC ID: **1-02-006-02** Pollutant ID: **Organic compounds**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **2.80000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **2.97900**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **3.00000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **2.97900**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

000018

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B006-FEE-95

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**

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **0.60000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **2.97900**

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
1-02-006-02	0	0	0.16	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0.16	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:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

000019

4
4

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: B006-FEE-95

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:
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:

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): **GDF (G001)**

4. Annual operating hours: **8,760**

SCC Information

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

SCC ID: **4-06-003-05**

User Description for SCC (optional): **Unloading**

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

SCC Annual Operating Rate [SCC Units]: **47.04600**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: **4-06-003-06**

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

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

SCC Annual Operating Rate [SCC Units]: **47.04600**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: **4-03-001-01**

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:

000021

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**

Primary Control Equipment Description: **Submerged Filling**

Year Installed (Primary): **1995**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **63.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **1.00000**

Emissions Factor Units: **lbs/1000 Gallons Transferred**

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

Emissions Factor Operating Rate: **47.04600**

Emissions Factor Operating Rate Units: **1000 Gallons Transferred**

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

Supporting Emissions Calculation Data:

Autocalculate

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**

Primary Control Equipment Description: **Vapor Lock Balance Recovery System**

Year Installed (Primary): **1995**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **93.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **0.30000**

Emissions Factor Units: **lbs/1000 Gallons Throughput**

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

Emissions Factor Operating Rate: **47.04600**

Emissions Factor Operating Rate Units: **1000 Gallons Throughput**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

000022

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: G001-FEE-95

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **23.50000**

Emissions Factor Units:

lbs/1000 Gallons Storage Capacity

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

Emissions Factor Operating Rate: **6.00000**

Emissions Factor Operating Rate Units:

1000 Gallons Storage Capacity

Emissions [tons/yr]: **0.07**

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
Totals:	0	0	0	0	0.08	0	0	0	0	0	0	0	0	0

000023

4
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: G001-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:			

000024

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: G001-FEE-95

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:

000025

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVIRONMENTAL MANAGE
Facility ID: 14-31-11-0128
Title: K002-FEE-95

7621

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ **Emissions fee report** ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: **1995**

3. OEPA ID(s): **PAINT SPRAY BOOTH (K002)**

4. Annual operating hours: **500**

SCC Information

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

SCC ID: **4-02-999-98**

User Description for SCC (optional): **Paint Spray Booth**

SCC operating rate units: **Gallons**

SCC Annual Operating Rate [SCC Units]: **12.00000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **4-02-999-98** Pollutant ID: **Organic compounds**

Emissions Method Description: **Other**

Overall Efficiency Method: **Not applicable**

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control Equipment Description: **No Control Method**

Emissions Factor Operating Rate:

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.02**

Supporting Emissions Calculation Data:

(12 gal.)x(3.87 lb OC/gal.)x(1 ton/2000 lb) = 0.02322 Tons OC/year

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
4-02-999-98	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0

000026

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: K002-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February:	(%)
March - May:	(%)
June - August:	(%)
September - November:	(%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:			

000027

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

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P227-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): PROCESS AREA TRASH COMPACTOR (P227)

4. Annual operating hours: 4,000

SCC Information

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

SCC ID: 3-99-999-99

User Description for SCC (optional): Trash Compactor

SCC operating rate units: Tons Processed

SCC Annual Operating Rate [SCC Units]: 2,852.00000

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: 3-99-999-99 Pollutant ID: Particulate Matter

Emissions Method Description: Other

Overall Efficiency Method: Design

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: Miscellaneous Control Devices (Other)

Year Installed (Primary): 1992

Factor Controlled? (Y/N):

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate:

Year Installed (Secondary):

Emissions Factor Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: 99.97

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

Data taken from PTO application.

7. Summary for all SCC IDs:

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

000029

2
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MA
Facility ID: 14-31-11-0128
Title: P227-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:			

000030

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P227-FEE-95

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:

000031

OhioEPA
State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P266-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): BOILER HIGH VACUUM (P266)

4. Annual operating hours: 8,760

SCC Information

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

SCC ID: **3-05-888-01**

User Description for SCC (optional): **Vacuum Cleaning Unit**

SCC operating rate units: **Tons Product**

SCC Annual Operating Rate [SCC Units]: **6.09000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **3-05-888-01** Pollutant ID: **Particulate Matter**

Emissions Method Description: **Other**

Overall Efficiency Method: **Design**

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: **Miscellaneous Control Devices (Other)**

Year Installed (Primary): **1992**

Factor Controlled? (Y/N):

Secondary Control Equipment Description: **No Control Method**

Emissions Factor Operating Rate:

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units:

Control Device Efficiency:

Overall Device Efficiency: **99.97**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Emission estimate is from PTI application 14-2944.

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
3-05-888-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000032

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P266-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

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:

000033

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:

000034

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): 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): **Gas Fired Clothes Dryer**

SCC operating rate units: **Million Cubic Feet Burned**

SCC Annual Operating Rate [SCC Units]: **9.26100**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: **3-30-001-99**

User Description for SCC (optional): **Gas Fired Clothes Dryer**

SCC operating rate units: **Tons Processed**

SCC Annual Operating Rate [SCC Units]: **1,971.00000**

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**

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **100.00000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **9.26100**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.46**

Supporting Emissions Calculation Data:

Autocalculate

000035

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **5.30000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **9.26100**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.02**

Supporting Emissions Calculation Data:

Autocalculate

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **3.00000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **9.26100**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

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

Supporting Emissions Calculation Data:

Autocalculate

000036

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P274-FEE-95

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.60000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **9.26100**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 3-30-001-99 Pollutant ID: Particulate Matter

Emissions Method Description: **Source tests or other measurements**

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

Primary Control Equipment Description: **Miscellaneous Control Devices (Other)**

Year Installed (Primary): **1992**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **99.70**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Design**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **0.11**

Supporting Emissions Calculation Data:

(0.26 lb PM/hr)x(8760 hr/yr)/(2000 lb/ton) = 0.114 tons PM/yr

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	0.01	0	0.46	0	0.02	0	0	0	0	0	0	0	0	0
3-30-001-99	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	0.12	0	0.46	0	0.02	0	0	0	0	0	0	0	0	0

000037

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P274-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000038

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P274-FEE-95

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:

000039

OhioEPA
State of Ohio Environmental Protection Agency

1
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR MANAGE
Facility ID: 14-31-11-0128
Title: P275-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): NON-RAD CONTAMINATED LAUNDRY (P275)

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): Gas Fired Clothes Dryer

SCC operating rate units: Million Cubic Feet Burned

SCC Annual Operating Rate [SCC Units]: 50.06000

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: 3-30-001-99

User Description for SCC (optional): Gas Fired Clothes Dryer

SCC operating rate units: Tons Processed

SCC Annual Operating Rate [SCC Units]: 2,891.00000

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 Equipment Description: No Control Method

Emissions Factor Units: lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate: 50.06000

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units: Million Cubic Feet Burned

Control Device Efficiency:

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 2.50

Supporting Emissions Calculation Data:

Autocalculate

000040

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P275-FEE-95

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **6.30000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **50.06000**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.13**

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **3.00000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **50.06000**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.08**

000041

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.60000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **60.06000**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.02**

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 3-30-001-99 Pollutant ID: Particulate Matter

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **Miscellaneous Control Devices (Other)**

Year Installed (Primary): **1989**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **75.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Design**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **0.92**

Supporting Emissions Calculation Data:

(0.211 lb PM/hr)x(8760 hr/yr)/(2000 lb/ton) = 0.92 Tons PM/yr (From PTO application)

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	0.08	0.02	2.5	0	0.13	0	0	0	0	0	0	0	0	0
3-30-001-99	0.92	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	1	0.02	2.5	0	0.13	0	0	0	0	0	0	0	0	0

000042

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P275-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000043

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:

000044

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P284-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): RESPIRATOR WASHING FACILITY (P284)

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): Respirator Washing Facility

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: Particulate Matter

Emissions Method Description: Source tests or other measurements

Overall Efficiency Method: Design

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: Miscellaneous Control Devices (Other)

Year Installed (Primary): 1994

Factor Controlled? (Y/N):

Secondary Control Equipment Description: Miscellaneous Control Devices (Other)

Emissions Factor Operating Rate:

Year Installed (Secondary): 1994

Emissions Factor Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: 99.70

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

(9.19E-06 lb PM/hr)x(8760 hr/yr)/(2000 lb/ton) = 4.02E-05 Tons PM/yr (From PTO application)

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	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000045

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

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:

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P284-FEE-95

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:

000047

OhioEPA
State of Ohio Environmental Protection Agency

1
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P287-FEE-95

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): NON-RAD CONTAMINATED LAUNDRY (P287)

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): Gas Fired Clothes Dryer

SCC operating rate units: Million Cubic Feet Burned

SCC Annual Operating Rate [SCC Units]: 3.08600

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: 3-30-001-99

User Description for SCC (optional): Gas Fired Clothes Dryer

SCC operating rate units: Tons Processed

SCC Annual Operating Rate [SCC Units]: 293.00000

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 Equipment Description: No Control Method

Emissions Factor Units: lbs/Million Cubic Feet Burned

Year Installed (Primary):

Factor Controlled? (Y/N): No

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate: 3.08600

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units: Million Cubic Feet Burned

Control Device Efficiency:

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.15

Supporting Emissions Calculation Data:

Autocalculate

000048

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P287-FEE-95

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **5.30000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **3.08600**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

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

Supporting Emissions Calculation Data:

Autocalculate

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **3.00000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **3.08600**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

000049

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.60000**

Emissions Factor Units: **lbs/Million Cubic Feet Burned**

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

Emissions Factor Operating Rate: **3.08600**

Emissions Factor Operating Rate Units: **Million Cubic Feet Burned**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

SCC ID: 3-30-001-99 Pollutant ID: Particulate Matter

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **Miscellaneous Control Devices (Other)**

Year Installed (Primary): **1989**

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **75.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Design**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **0.03**

Supporting Emissions Calculation Data:

(0.00762 lb PM/hr)x(8760 hr/yr) = 65.9 lb PM/yr = 0.03 Tons PM/yr (From PTO application)

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	0.15	0	0.01	0	0	0	0	0	0	0	0	0
3-30-001-99	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	0.03	0	0.15	0	0.01	0	0	0	0	0	0	0	0	0

000050

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P287-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February:	(%)
March - May:	(%)
June - August:	(%)
September - November:	(%)

11. Normal operating schedule

Hours/day:	
Days/week:	
Weeks/year:	

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

18. Emissions point centroid location:

○ UTM Zone Vertical Horizontal ○ Lat/Long

	Degrees	Minutes	Seconds
Latitude:			
Longitude:			

000051

5
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P287-FEE-95

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:

000052

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P288-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): IH LAB HOODS (P288)

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): IH Lab Hoods

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: Other

Overall Efficiency Method: Not applicable

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: No Control Method

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate:

Year Installed (Secondary):

Emissions Factor Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

(1.4E-03 lb NOx/year)/(2000 lb/ton) = 7.0E-07 Tons NOx/yr (From PTO application)

000053

6. Emissions information: (continued)

SCC ID: **3-99-999-93** Pollutant ID: **Organic compounds**

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

(5.5E-03 lb OC/year)/(2000 lb/ton) = 2.75E-06 Tons OC/yr (From PTO application)

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	0	0	0	0	0	0	0	0	0	0	0
Totals:	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:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

000054

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: P288-FEE-95

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:

000055

7621

State of Ohio Environmental Protection Agency

1
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGT
Facility ID: 14-31-11-0128
Title: T117-FEE-95

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): **MAINTAINCE SHOP DIESEL STORAGE TANK (T117)**

4. Annual operating hours: **8,760**

SCC Information

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

SCC ID: **4-03-010-19**

User Description for SCC (optional): **Fixed roof breathing loss**

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

SCC Annual Operating Rate [SCC Units]: **0.20000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

SCC ID: **4-03-010-21**

User Description for SCC (optional): **Fixed roof working loss**

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

SCC Annual Operating Rate [SCC Units]: **0.20000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

SCC ID: **4-03-012-06**

User Description for SCC (optional): **Variable vapor space filling loss**

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

SCC Annual Operating Rate [SCC Units]: **0.20000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

000056

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T117-FEE-95

6. Emissions information:

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.39000**

Emissions Factor Units: **lbs/1000 Gallons Storage Capacity**

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

Emissions Factor Operating Rate: **0.20000**

Emissions Factor Operating Rate Units: **1000 Gallons Storage Capacity**

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)**

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.02000**

Emissions Factor Units: **lbs/1000 Gallons Throughput**

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

Emissions Factor Operating Rate: **0.20000**

Emissions Factor Operating Rate Units: **1000 Gallons Throughput**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

000057

6. Emissions information: (continued)

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.02200**

Emissions Factor Units: **lbs/1000 Gallons Throughput**

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

Emissions Factor Operating Rate: **0.20000**

Emissions Factor Operating Rate Units: **1000 Gallons Throughput**

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
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000058

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T117-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000059

5
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T117-FEE-95

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:

000060

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T126-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): 4.2K GAL SULFURIC ACID STORAGE TANK (T126)

4. Annual operating hours: 8,760

SCC Information

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

SCC ID: **3-01-870-09**

User Description for SCC (optional): **H2SO4 Breathing Loss**

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

SCC Annual Operating Rate [SCC Units]: **4.20000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: **3-01-870-10**

User Description for SCC (optional): **H2SO4 Working Loss**

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

SCC Annual Operating Rate [SCC Units]: **256.00000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **3-01-870-09** Pollutant ID: **Sulfur dioxide**

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

Overall Efficiency Method: **Not applicable**

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

Emissions Factor: **0.00000**

Primary Control Equipment Description: **No Control Method**

Emissions Factor Units: **lbs/1000 Gallons Storage Capacity**

Year Installed (Primary):

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

Secondary Control Equipment Description: **No Control Method**

Emissions Factor Operating Rate: **4.20000**

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units: **1000 Gallons Storage Capacity**

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

000061

2
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T126-FEE-95

6. Emissions information: (continued)

SCC ID: **3-01-870-10** Pollutant ID: **Sulfur dioxide**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.00000**

Emissions Factor Units: **lbs/1000 Gallons Throughput**

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

Emissions Factor Operating Rate: **256.00000**

Emissions Factor Operating Rate Units: **1000 Gallons Throughput**

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
3-01-870-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-01-870-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	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:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

000062

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T126-FEE-95

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:
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:

000063

7621

OhioEPA
State of Ohio Environmental Protection Agency

1
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAG
Facility ID: 14-31-11-0128
Title: T127-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ **Emissions fee report** ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: **1995**

3. OEPA ID(s): **50K GAL. METHANOL TANK (T127)**

4. Annual operating hours: **8,760**

SCC Information

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

SCC ID: **4-07-008-15**

User Description for SCC (optional): **Breathing Loss**

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

SCC Annual Operating Rate [SCC Units]: **50.00000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

SCC ID: **4-07-008-16**

User Description for SCC (optional): **Working Loss**

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

SCC Annual Operating Rate [SCC Units]: **9.53900** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

SCC ID: **4-90-999-99**

User Description for SCC (optional): **Truck transfer and line losses**

SCC operating rate units: **Tons Solvent Consumed**

SCC Annual Operating Rate [SCC Units]: **0.20300** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

000064

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T127-FEE-95

6. Emissions information:

SCC ID: **4-07-008-15** Pollutant ID: **Organic compounds**

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

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

Primary Control Equipment Description: **Conversion to Floating Roof Tank**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **99.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Estimated**

Emissions Factor: **3.60000**

Emissions Factor Units:

lbs/1000 Gallons Storage Capacity

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

Emissions Factor Operating Rate: **50.00000**

Emissions Factor Operating Rate Units:

1000 Gallons Storage Capacity

Emissions [tons/yr]: **0.00**

SCC ID: **4-07-008-16** Pollutant ID: **Organic compounds**

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

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

Primary Control Equipment Description: **Conversion to Floating Roof Tank**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **99.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Estimated**

Emissions Factor: **1.07000**

Emissions Factor Units:

lbs/1000 Gallons Throughput

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

Emissions Factor Operating Rate: **9.53900**

Emissions Factor Operating Rate Units:

1000 Gallons Throughput

Emissions [tons/yr]: **0.00**

000065

6. Emissions information: (continued)

SCC ID: **4-90-999-99** Pollutant ID: **Organic compounds**

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **0.18**

Supporting Emissions Calculation Data:

See attached file, T127-FEE.TXT.

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
4-07-008-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-07-008-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4-90-999-99	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0

000066

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T127-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000067

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:

000068

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): **CONCENTRATED SULFURIC ACID STORAGE TANK (T158)**

4. Annual operating hours: **8,760**

SCC Information

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

SCC ID: **3-01-870-09**

User Description for SCC (optional): **H2SO4 Breathing Loss**

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

SCC Annual Operating Rate [SCC Units]: **0.75000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

SCC ID: **3-01-870-10**

User Description for SCC (optional): **H2SO4 Working Loss**

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

SCC Annual Operating Rate [SCC Units]: **5.80000**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **3-01-870-09** Pollutant ID: **Sulfur dioxide**

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

Overall Efficiency Method: **Not applicable**

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

Emissions Factor: **0.00000**

Primary Control Equipment Description: **No Control Method**

Emissions Factor Units: **lbs/1000 Gallons Storage Capacity**

Year Installed (Primary):

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

Secondary Control Equipment Description: **No Control Method**

Emissions Factor Operating Rate: **0.75000**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Emissions Factor Operating Rate Units: **1000 Gallons Storage Capacity**

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

000069

6. Emissions information: (continued)

SCC ID: **3-01-870-10** Pollutant ID: **Sulfur dioxide**

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.00000**

Emissions Factor Units: **lbs/1000 Gallons Throughput**

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

Emissions Factor Operating Rate: **5.80000**

Emissions Factor Operating Rate Units: **1000 Gallons Throughput**

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
3-01-870-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3-01-870-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	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:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

000070

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T158-FEE-95

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:
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:

000071

OhioEPA
State of Ohio Environmental Protection Agency

1
5

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVR. MANAGE
Facility ID: 14-31-11-0128
Title: T160-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): 10K GAL DIESEL STORAGE TANK (T160)

4. Annual operating hours: 8,760

SCC Information

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

SCC ID: **4-03-010-19**

User Description for SCC (optional): **Fixed roof breathing loss**

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

SCC Annual Operating Rate [SCC Units]: **1.00000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

SCC ID: **4-03-010-21**

User Description for SCC (optional): **Fixed roof working loss**

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

SCC Annual Operating Rate [SCC Units]: **1.00000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

SCC ID: **4-03-012-06**

User Description for SCC (optional): **Variable vapor space filling loss**

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

SCC Annual Operating Rate [SCC Units]: **1.00000** Ash [%]:

Maximum Hourly Operating Rate [SCC Units]: Sulfur [%]:

SCC Comments:

000072

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE.
Facility ID: 14-31-11-0128
Title: T160-FEE-95

6. Emissions information:

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.39000**

Emissions Factor Units:

lbs/1000 Gallons Storage Capacity

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

Emissions Factor Operating Rate: **1.00000**

Emissions Factor Operating Rate Units:

1000 Gallons Storage Capacity

Emissions [tons/yr]: **0.00**

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

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

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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Supporting Emissions Calculation Data:

Autocalculate

Overall Efficiency Method: **Not applicable**

Emissions Factor: **0.02000**

Emissions Factor Units:

lbs/1000 Gallons Throughput

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

Emissions Factor Operating Rate: **1.00000**

Emissions Factor Operating Rate Units:

1000 Gallons Throughput

Emissions [tons/yr]: **0.00**

000073

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**

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **0.02200**

Emissions Factor Units: **lbs/1000 Gallons Throughput**

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

Emissions Factor Operating Rate: **1.00000**

Emissions Factor Operating Rate Units: **1000 Gallons Throughput**

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
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000074

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: T160-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000075

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:

000076

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z003-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): PERCHLORIC LAB HOOD SYSTEM (Z003)

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): Perchloric Acid Hoods

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: Other

Overall Efficiency Method: Not applicable

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: No Control Method

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate:

Year Installed (Secondary):

Emissions Factor Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 4.89

Supporting Emissions Calculation Data:

(0.093 lb NOx/hr/Hood)x(8760 hrs/yr)x(12 Hoods) = 9,776.16 lb NOx/yr = 4.89 tons NOx/yr (From PTO application)

000077

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z003-FEE-95

6. Emissions information: (continued)

SCC ID: **3-99-999-93** Pollutant ID: **Particulate Matter**

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **7.57**

Supporting Emissions Calculation Data:

(0.144 lb PM/hr/Hood)x(8760 hrs/yr)x(12 Hoods) = 15,137.3 lb PM/yr = 7.57 tons PM/yr (From PTO application)

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	7.57	0	4.89	0	0	0	0	0	0	0	0	0	0	0
Totals:	7.57	0	4.89	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:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

000078

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z003-FEE-95

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:
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:

000079

OhioEPA
State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVR. MA
Facility ID: 14-31-11-0128
Title: Z004-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): ANALYTICAL LAB. HEPA SYSTEM (Z004)

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): Analytical Lab - MEPA/HEPA System

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: Particulate Matter

Emissions Method Description: Other

Overall Efficiency Method: Design

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: Miscellaneous Control Devices (Other)

Year Installed (Primary): 1991

Factor Controlled? (Y/N):

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate:

Year Installed (Secondary):

Emissions Factor Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: 99.70

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 0.00

Supporting Emissions Calculation Data:

(2.084E-06 lb PM/hr)x(8760 hr/yr)/(2000 lb/ton) = 9.127E-06 Tons PM/yr) (From PTO application)

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	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000080

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z004-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)
March - May: (%)
June - August: (%)
September - November: (%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:			

000081

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:

000082

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z005-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): ANALYTICAL LAB. GENERAL SYSTEM (Z005)

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): Perchloric Acid Hoods

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: Organic compounds

Emissions Method Description: Other

Overall Efficiency Method: Not applicable

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: No Control Method

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control Equipment Description: No Control Method

Emissions Factor Operating Rate:

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units:

Control Device Efficiency:

Overall Device Efficiency: 0.00

Annual Adjustment Factor: 0.00

Emissions [tons/yr]: 17.30

Supporting Emissions Calculation Data:

(3.95 lb/hr OC)x(8760 hr/yr)/(2000 lb/ton) = 17.3 Tons OC/yr (From PTO application)

000083

2
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z005-FEE-95

6. Emissions information: (continued)

SCC ID: **3-99-999-93** Pollutant ID: **Particulate Matter**

Emissions Method Description: **Other**

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

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Secondary Control Equipment Description: **No Control Method**

Year Installed (Secondary):

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Overall Efficiency Method: **Not applicable**

Emissions Factor:

Emissions Factor Units:

Factor Controlled? (Y/N):

Emissions Factor Operating Rate:

Emissions Factor Operating Rate Units:

Emissions [tons/yr]: **0.57**

Supporting Emissions Calculation Data:

(0.1305 lb/hr PM)x(8760 hr/yr)/(2000 lb/ton) = 0.572 Tons PM/yr (From PTO application)

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	0.57	0	0	0	17.3	0	0	0	0	0	0	0	0	0
Totals:	0.57	0	0	0	17.3	0	0	0	0	0	0	0	0	0

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

Inventory

13. Construction date:

14. Modification date:

15. Shutdown date:

16. Emissions unit comments (optional):

17. Federally-enforceable operating restrictions:

000084

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
~~Title: Z005-FEE-95~~

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:
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:

000085

7621

OhioEPA

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD ENVR. MANAG
Facility ID: 14-31-11-0128
Title: Z008-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ Emissions fee report ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: 1995

3. OEPA ID(s): SANITARY SEWAGE PLANT (Z008)

4. Annual operating hours: 8,760

SCC Information

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

SCC ID: **5-01-007-01**

User Description for SCC (optional): **Sanitary Sewage Treatment Plant**

SCC operating rate units: **Million Gallons Wastewater**

SCC Annual Operating Rate [SCC Units]: **44.40100**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **5-01-007-01** Pollutant ID: **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:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions Factor: **3.00000**

Emissions Factor Units: **lbs/Million Gallons Wastewater**

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

Emissions Factor Operating Rate: **44.40100**

Emissions Factor Operating Rate Units: **Million Gallons Wastewater**

Emissions [tons/yr]: **0.07**

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
5-01-007-01	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0

000086

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z008-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February: (%)

March - May: (%)

June - August: (%)

September - November: (%)

11. Normal operating schedule

Hours/day:

Days/week:

Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)

NOx: (lbs/day)

☐ Autocalculated

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:

000087

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:

000088

State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z010-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ **Emissions fee report** ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: **1995**

3. OEPA ID(s): **WATER LAB HOODS (Z010)**

4. Annual operating hours: **1,040**

SCC Information

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

SCC ID: **3-99-999-93**

User Description for SCC (optional): **Water Plant Lab Hoods**

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: **Particulate Matter**

Emissions Method Description: **Other**

Overall Efficiency Method: **Not applicable**

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

Emissions Factor:

Emissions Factor Units:

Primary Control Equipment Description: **No Control Method**

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control Equipment Description: **No Control Method**

Emissions Factor Operating Rate:

Year Installed (Secondary):

Control System Capture Efficiency:

Emissions Factor Operating Rate Units:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

From PTO Application (2.8E-05 lb PM/hr)x(1040 hrs/yr)/(2000 lb/ton) = 1.5E-05 tons PM/yr

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	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000083

2
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z010-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February:	(%)
March - May:	(%)
June - August:	(%)
September - November:	(%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000090

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z010-FEE-95

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:

000091

OhioEPA
State of Ohio Environmental Protection Agency

1
3

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANA
Facility ID: 14-31-11-0128
Title: Z012-FEE-95

Emissions Reporting Form: Emissions Unit Information

General Information

1. Emissions form(s): ☒ **Emissions fee report** ☐ Emissions statement ☐ Emissions inventory

2. Reporting period: **1995**

3. OEPA ID(s): **COOLING WATER TOWER (Z012)**

4. Annual operating hours: **8,760**

SCC Information

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

SCC ID: **3-85-001-01**

User Description for SCC (optional): **Cooling Water Tower**

SCC operating rate units: **Million Gallons Throughput**

SCC Annual Operating Rate [SCC Units]: **30.84280**

Ash [%]:

Maximum Hourly Operating Rate [SCC Units]:

Sulfur [%]:

SCC Comments:

6. Emissions information:

SCC ID: **3-85-001-01** Pollutant ID: **Particulate Matter**

Emissions Method Description: **Other**

Overall Efficiency Method: **Not applicable**

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

Emissions Factor:

Primary Control Equipment Description: **No Control Method**

Emissions Factor Units:

Year Installed (Primary):

Factor Controlled? (Y/N):

Secondary Control Equipment Description: **No Control Method**

Emissions Factor Operating Rate:

Year Installed (Secondary):

Emissions Factor Operating Rate Units:

Control System Capture Efficiency:

Control Device Efficiency:

Overall Device Efficiency: **0.00**

Annual Adjustment Factor: **0.00**

Emissions [tons/yr]: **0.00**

Supporting Emissions Calculation Data:

See attached file 95COOL.WK4

7. Summary for all SCC IDs:

SCC ID	PART	SO2	NOx	CO	OC	VOC	Hg	Pb	As	Bz	Be	Ab	VC	PM10
3-85-001-01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals:	0	0	0	0	0	0	0	0	0	0	0	0	0	0

000092

Facility Name: U.S. DEPT. OF ENERGY-FERNALD EVNR. MANAGE
Facility ID: 14-31-11-0128
Title: Z012-FEE-95

Schedule

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

9. Space heat: (%)

10. Annual throughput:

December - February:	(%)
March - May:	(%)
June - August:	(%)
September - November:	(%)

11. Normal operating schedule

Hours/day:
Days/week:
Weeks/year:

12. Peak ozone season daily emissions rate:

VOC: (lbs/day)
NOx: (lbs/day)

☐ Autocalculated

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:

000093

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:

000094