

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Notice of Filing of)
Greenhouse Gas Reports by Duke Energy) Case No. 13-0850-EL-UNC
Ohio, Inc.)
)
)
)

NOTICE OF FILING

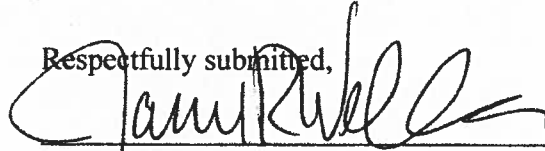
On March 16, 2011, the Public Utilities Commission of Ohio (Commission) issued an Entry in Case No. 10-3078-EL-WVR granting FirstEnergy, AEP Ohio and Duke Energy Ohio, Inc., (Duke Energy) a waiver of the requirement set forth in O.A.C. 4901:1-41-03 that Ohio electric distribution utilities become participating members in the climate registry and report greenhouse gas (GHG) emissions. In reaching its decision the Commission referenced recent, mandatory federal GHG reporting requirements. The Entry directed the electric distribution utilities to docket federal GHG reports with the Commission.¹ Accordingly, attached hereto are the 2012 emission reports from the United States Environmental Protection Agency (USEPA) reporting system for Duke Energy's plants located in Ohio.

Also attached hereto are the final 2011 emissions reports from the USEPA reporting system. Note that these reports were timely filed with USEPA in September of last year. However, Duke Energy recently discovered that it had not yet filed these same reports with the Commission. To prevent this oversight in the future, Duke Energy has added this filing requirement to our electronic environmental management system. This system will provide a

¹ The Entry indicated that the Commission would open a new docket for the various Ohio utilities to file their respective federal GHG reports. Duke Energy Ohio, Inc. has not been able to identify the appropriate docket, and Commission Staff indicated that opening this new docket would be acceptable for purposes of this submission.

reminder to appropriate personnel and a compliance calendar based tracking system to ensure future filings follow posting of the data to the USEPA reporting system.

Respectfully submitted,



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GHG SUMMARY REPORT

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Duke Energy Hanging Rock, II LLC

Facility Identifier: 521139

Facility Reporting Year: 2011

Facility Location:

Address: 1395 COUNTY RD 1A

City: IRONTON

State: OH

Postal Code: 45638

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 2369108.2

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2011-01-01

GHG Report End Date: 2011-12-31

Description of Changes to Calculation Methodology:

Description of Best Available Monitoring Methods Used: Part 75

Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St., Charlotte, NC 28202-1803

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		0.03 (Metric Tons)	
Nitrous Oxide		0.003 (Metric Tons)	
Carbon Dioxide		1584.3 (Metric	

Unit Details:

Unit Name: GP-1 Aux Blrs

Unit Type: OCS (Other combustion source)

Unit Description: Combination on Aux Blrs 1 & 2

Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 30.6

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons): 1584.3

Tier Fuel Details:

Fuel: Natural Gas (Weighted U.S. Average)

Tier Name: Tier 1 (Equation C-1)

Tier Methodology Start Date: 2011-01-01

Tier Methodology End Date: 2011-12-31

Fuel Emission Details:

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
1584.3 (Metric Tons)	0.03 (Metric Tons)	0.003 (Metric Tons)	0.6 (Metric Tons)	0.9 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		43.86 (Metric Tons)	
Nitrous Oxide		4.387 (Metric Tons)	
Carbon Dioxide		2365241.3 (Metric Tons)	

Unit Details:

Unit Name: CTG1

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 608789.9

Annual CO2 Emissions Including Biomass (short tons): 671069.1

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 53

Electricity Fuel Details:

Fuel Type: Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 237.1

N2O Emissions CO2 Equivalent (metric tons): 350.1

Unit Name: CTG3

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 555590.4

Annual CO2 Emissions Including Biomass (short tons): 612427.3

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 17

Electricity Fuel Details:

Fuel Type: Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 216.4

N2O Emissions CO2 Equivalent (metric tons): 319.5

Unit Name: CTG2

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 603963.1

Annual CO2 Emissions Including Biomass (short tons): 665748.5

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 37

Electricity Fuel Details:

Fuel Type: Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 235.3

N2O Emissions CO2 Equivalent (metric tons): 347.3

Unit Name: CTG4

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 596897.9

Annual CO2 Emissions Including Biomass (short tons): 657960.6

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4: Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 36

Electricity Fuel Details:

Fuel Type: Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 232.5

N2O Emissions CO2 Equivalent (metric tons): 343.2

GHG SUMMARY REPORT

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Facility Name: W H Zimmer Generating Station

Facility Identifier: 520249

Facility Reporting Year: 2011

Facility Location:

Address: 1781 US ROUTE 52

City: MOSCOW **State:** OH

Postal Code: 45200

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 6293546.9

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N
GHG Report Start Date: 2011-01-01
GHG Report End Date: 2011-12-31
Description of Changes to Calculation Methodology:
Description of Best Available Monitoring Methods Used: Part 75
Biogenic Emissions Indication:
Primary NAICS Code: 221112
Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP
Address: 526 South Church St, Charlotte, NC 28202-1803
Percent Ownership Interest: 46.5
Parent Company Name: AMERICAN ELECTRIC POWER
Address: One Riverside Plaza, Columbus, OH 43215-2372
Percent Ownership Interest: 25.4
Parent Company Name: THE DAYTON POWER & LIGHT CO
Address: 1065 Woodsman Drive, Dayton, OH 45432
Percent Ownership Interest: 28.1

Subpart C: General Stationary Fuel Combustion

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		1.33 (Metric Tons)	
Nitrous Oxide		0.265 (Metric Tons)	
Carbon Dioxide		32656.7 (Metric	

Unit Details:

Unit Name: CP-Aux Blrs
Unit Type: OCS (Other combustion source)
Unit Description: Auxiliary Boilers A&B
Other Unit Name:
Common Pipe Details:
Maximum Rated Heat Input Capacity: 603

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons):
Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil Fuel based CO2 Emissions (metric tons): 31993.1

Tier Fuel Details:**Fuel:** Distillate Fuel Oil No. 2**Tier Name:** Tier 2 (Equation C-2a)**Tier Methodology Start Date:** 2011-01-01**Tier Methodology End Date:** 2011-12-31**Frequency of HHV Determinations:** Once per fuel lot**Tier 2 Monthly HHV Details:**

January	February	Marc	Apri	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details:

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
31993.1 (Metric Tons)	1.30 (Metric Tons)	0.260 (Metric Tons)	27.3 (Metric Tons)	80.6 (Metric Tons)

Unit Name: GP- Oil-fired Heaters**Unit Type:** OCS (Other combustion source)**Unit Description:** Two heaters**Other Unit Name:****Small Unit Aggregation Details:****Highest Maximum Rated Heat Input Capacity:** 4.1**Emission Details:****Annual Sorbent based CO2 Emissions** (metric tons): 0.0**Annual Biogenic CO2 Emissions** (metric tons): 0.0**Annual Fossil fuel based CO2 Emissions** (metric tons): 663.6**Tier Fuel Details:****Fuel:** Distillate Fuel Oil No. 2**Tier Name:** Tier 1 (Equation C-1)**Tier Methodology Start Date:** 2011-01-01**Tier Methodology End Date:** 2011-12-31**Fuel Emission Details:**

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
663.6 (Metric Tons)	0.03 (Metric Tons)	0.005 (Metric Tons)	0.6 (Metric Tons)	1.6 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		734.17 (Metric Tons)	
Nitrous Oxide		106.788 (Metric Tons)	
Carbon Dioxide		6212258.3 (Metric Tons)	

Unit Details:

Unit Name: 1

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 6212258.3

Annual CO2 Emissions Including Biomass (short tons): 6847772.3

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 1727

Operating Hours Stack Gas Flow Rate Substituted: 375

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 15417.5

N2O Emissions CO2 Equivalent (metric tons): 33104.2

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Facility Name: Duke Energy Washington, II LLC

Facility Identifier: 521161

Facility Reporting Year: 2011

Facility Location:

Address: 859 ST RT 83

City: BEVERLY

State: OH

Postal Code: 45715

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 1142294.9

CO2 Equivalent (mtons, Subparts NN-PP): 0

Biogenic CO2 (mtons, Subparts C-HH): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2011-01-01

GHG Report End Date: 2011-12-31

Description of Changes to Calculation Methodology:

Description of Best Available Monitoring Methods Used: Part 75

Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St., Charlotte, NC 28202-1803

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		0.01 (Metric Tons)	
Nitrous Oxide		0.001 (Metric Tons)	
Carbon Dioxide		329.4 (Metric Tons)	

Gas Information Details:

Unit Details:

Unit Name: Aux. Blr.

Unit Type: OB (Boiler, other)

Unit Description:

Individual Unit Details:

Maximum Rated Heat Input Capacity: 30.6 (mmBtu/hr)

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Tier Fuel Details:

Fuel: Natural Gas (Weighted U.S. Average)

Tier Name: Tier 1 (Equation C-1b, natural gas billing in mmBtu)

Tier Methodology Start Date: 2011-01-01

Tier Methodology End Date: 2011-12-31

Fuel Emission Details:

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
329.4 (Metric Tons)	0.01 (Metric Tons)	0.001 (Metric Tons)	0.1 (Metric Tons)	0.3 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		21.16 (Metric Tons)	
Nitrous Oxide		2.116 (Metric Tons)	
Carbon Dioxide		1140864.7 (Metric Tons)	

Unit Details:

Unit Name: CT2

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 568360.5

Annual CO2 Emissions Including Biomass (short tons): 626503.8

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 44

Electricity Fuel Details:

Fuel Type: Natural Gas (Weighted U.S. Average)

CH4 Emissions CO2 Equivalent (metric tons): 221.4

N2O Emissions CO2 Equivalent (metric tons): 326.8

Unit Name: CT1

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

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Facility Name: Duke Energy Hanging Rock, II LLC

Facility Identifier: 521139

Facility Reporting Year: 2012

Facility Location:

Address: 1395 COUNTY RD 1A

City: IRONTON

State: OH

Postal Code: 45638

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 3372070.3

CO2 Equivalent (mtons, Subparts LL-QQ): 0

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St., Charlotte, NC 28202-1803

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	
Carbon Dioxide		51 (Metric Tons)	

Unit Details:

Unit Name: GP-1 Aux Blrs

Unit Type: OCS (Other combustion source)

Unit Description: Combination on Aux Blrs 1 & 2

Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 30.6

Emission Details:

Annual CO₂ mass emissions from sorbent: 0.0 (Metric Tons)

Annual Biogenic CO₂ Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: 51.0 (metric tons)

Tier Fuel Details:

Fuel: Natural Gas (Weighted U.S. Average)

Tier Name: Tier 1 (Equation C-1)

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Fuel Emission Details:

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions CO ₂ e	Total N ₂ O emissions CO ₂ e
51.01 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		62.49 (Metric Tons)	
Nitrous Oxide		6.249 (Metric Tons)	
Carbon Dioxide		3368769.8 (Metric Tons)	

Unit Details:

Unit Name: CTG1
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-10
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 837577.8
Annual CO2 Emissions Including Biomass (short tons): 923262.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0
Operating Hours HHV Substitution: 0

Electricity Fuel Details:

<p>Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 15535700 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 15.54 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 1.554 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 326.2 (Metric Tons) N₂O Emissions CO₂ Equivalent: 481.6 (Metric Tons)</p>

Unit Name: CTG2
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 842727.0
Annual CO2 Emissions Including Biomass (short tons): 928938.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 1
Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 15631102 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 15.63 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 1.563 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 328.3 (Metric Tons) N₂O Emissions CO₂ Equivalent: 484.6 (Metric Tons)

Unit Name: CTG3
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 850483.5
Annual CO₂ Emissions Including Biomass (short tons): 937488.0
Annual CO₂ Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0
Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 15775080 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 15.78 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 1.578 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 331.3 (Metric Tons) N₂O Emissions CO₂ Equivalent: 489.0 (Metric Tons)

Unit Name: CTG4
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 837981.5
Annual CO2 Emissions Including Biomass (short tons): 923707.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 63
Operating Hours HHV Substitution: 0

Electricity Fuel Details:

<p>Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 15543049 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 15.54 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 1.554 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 326.4 (Metric Tons) N₂O Emissions CO₂ Equivalent: 481.8 (Metric Tons)</p>

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: W H Zimmer Generating Station

Facility Identifier: 520249

Facility Reporting Year: 2012

Facility Location:

Address: 1781 US ROUTE 52

City: MOSCOW

State: OH

Postal Code: 45200

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 4286044.9

CO2 Equivalent (mtons, Subparts LL-QQ): 0

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St, Charlotte, NC 28202-1803

Percent Ownership Interest: 46.5

Parent Company Name: THE DAYTON POWER & LIGHT CO

Address: 1065 Woodsman Drive, Dayton, OH 45432

Percent Ownership Interest: 28.1

Parent Company Name: AMERICAN ELECTRIC POWER

Address: One Riverside Plaze, Columbus, OH 43215-2372

Percent Ownership Interest: 25.4

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.79 (Metric Tons)	
Nitrous Oxide		0.158 (Metric Tons)	
Carbon Dioxide		19490.4 (Metric Tons)	

Unit Details:

Unit Name: CP-Aux Blrs
Unit Type: OCS (Other combustion source)
Unit Description: Auxiliary Boilers A&B
Other Unit Name:

Common Pipe Details:

Maximum Rated Heat Input Capacity: 603

Emission Details:

Annual Biogenic CO2 Emissions: 0.0 (metric tons)
Annual Fossil fuel based CO2 Emissions: 19397.0 (metric tons)

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2
Tier Name: Tier 2 (Equation C-2a)
Tier Methodology Start Date: 2012-01-01
Tier Methodology End Date: 2012-12-31
Frequency of HHV determination: Once per fuel lot

Tier 2 Monthly HHV Details:

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details:

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
19397.0 (Metric Tons)	0.79 (Metric Tons)	0.157 (Metric Tons)	16.5 (Metric Tons)	48.7 (Metric Tons)

Unit Name: GP-Oil fired Heaters
Unit Type: OCS (Other combustion source)
Unit Description: Two heaters
Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 4.1

Emission Details:**Annual CO₂ mass emissions from sorbent:** 0.0 (Metric Tons)**Annual Biogenic CO₂ Emissions:** 0.0 (metric tons)**Annual Fossil fuel based CO₂ Emissions:** 93.4 (metric tons)**Tier Fuel Details:****Fuel:** Distillate Fuel Oil No. 2**Tier Name:** Tier 1 (Equation C-1)**Tier Methodology Start Date:** 2012-01-01**Tier Methodology End Date:** 2012-12-31**Fuel Emission Details:**

Total CO₂ emissions	Total CH₄ emissions	Total N₂O emissions	Total CH₄ emissions CO₂e	Total N₂O emissions CO₂e
93.4 (Metric Tons)	0.00 (Metric Tons)	0.001 (Metric Tons)	0.0 (Metric Tons)	0.3 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		500.31 (Metric Tons)	
Nitrous Oxide		72.772 (Metric Tons)	
Carbon Dioxide		4233423.1 (Metric Tons)	

Unit Details:**Unit Name:** 1**Unit Type:** Electricity Generator**Unit Description:****Part 75 Methodology:** CEMS**Methodology Start Date:** 2012-01-01**Methodology End Date:** 2012-12-31**Acid Rain Program Indicator:** Y**Emission Details:****Annual CO₂ Emissions Including Biomass (metric tons):** 4233423.1**Annual CO₂ Emissions Including Biomass (short tons):** 4666502.3**Annual CO₂ Emissions from Biomass (metric tons):** 0.0**CEMS Details:****Operating Hours CO₂ Concentration Substituted:** 330**Operating Hours Stack Gas Flow Rate Substituted:** 45**Operating Hours Stack Gas Moisture Substituted:**

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 45482538 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 500.31 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 72.772 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 10506.5 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 22559.3 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Duke Energy Washington, II LLC

Facility Identifier: 521161

Facility Reporting Year: 2012

Facility Location:

Address: 859 ST RT 83

City: BEVERLY

State: OH

Postal Code: 45715

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 1688669.2

CO2 Equivalent (mtons, Subparts LL-QQ): 0

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St., Charlotte, NC 28202-1803

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	
Carbon Dioxide		25 (Metric Tons)	

Unit Details:

Unit Name: Aux. Blr.

Unit Type: OB (Boiler, other)

Unit Description:

Individual Unit Details:

Maximum Rated Heat Input Capacity: 30.6 (mmBtu/hr)

Emission Details:

Annual CO₂ mass emissions from sorbent: 0.0 (Metric Tons)

Annual Biogenic CO₂ Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: (metric tons)

Tier Fuel Details:

Fuel: Natural Gas (Weighted U.S. Average)

Tier Name: Tier 1 (Equation C-1b, natural gas billing in mmBtu)

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Fuel Emission Details:

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions CO ₂ e	Total N ₂ O emissions CO ₂ e
25.0 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		31.29 (Metric Tons)	
Nitrous Oxide		3.129 (Metric Tons)	
Carbon Dioxide		1687017.1 (Metric Tons)	

Unit Details:

Unit Name: CT1

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2012-01-01

Methodology End Date: 2012-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 852473.0

Annual CO2 Emissions Including Biomass (short tons): 939681.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)

Annual heat input: 15812011 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 15.81 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 1.581 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 332.1 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 490.2 (Metric Tons)

Unit Name: CT2

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2012-01-01

Methodology End Date: 2012-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 834544.1

Annual CO2 Emissions Including Biomass (short tons): 919918.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Rate: 1

Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 15479362 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 15.48 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 1.548 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 325.1 (Metric Tons) N₂O Emissions CO₂ Equivalent: 479.9 (Metric Tons)

Certification Statement:

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Facility Name: Miami Fort Generating Station

Facility Identifier: 520000

Facility Reporting Year: 2012

Facility Location:

Address: 11021 Brower Road

City: NORTH BEND

State: OH

Postal Code: 45052

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 7590147.7

CO2 Equivalent (mtons, Subparts LL-QQ): 0

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: THE DAYTON POWER & LIGHT CO

Address: 1065 Woodsman Drive, Dayton, OH 45432

Percent Ownership Interest: 29.9

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St, Charlotte, NC 28202-1803

Percent Ownership Interest: 70.1

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.02 (Metric Tons)	
Nitrous Oxide		0.0003 (Metric Tons)	
Carbon Dioxide		397 (Metric Tons)	

Unit Details:

Unit Name: GP-1 (CTs)

Unit Type: OCS (Other combustion source)

Unit Description: 4 Oil Fired CTs

Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 236

Emission Details:

Annual CO₂ mass emissions from sorbent: 0.0 (Metric Tons)

Annual Biogenic CO₂ Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: 397.0 (metric tons)

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Tier Name: Tier 1 (Equation C-1)

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Fuel Emission Details:

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions CO ₂ e	Total N ₂ O emissions CO ₂ e
397.0 (Metric Tons)	0.02 (Metric Tons)	0.003 (Metric Tons)	0.3 (Metric Tons)	0.9 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		890.01 (Metric Tons)	
Nitrous Oxide		129.456 (Metric Tons)	
Carbon Dioxide		7530927.8 (Metric Tons)	

Unit Details:

Unit Name: 6

Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 816715.1
Annual CO2 Emissions Including Biomass (short tons): 900265.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 69
Operating Hours Stack Gas Flow Rate Substituted: 0
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 8774620 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 96.52 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 14.039 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 2026.9 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 4352.2 (Metric Tons)

Unit Name: 7
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 3787506.8
Annual CO2 Emissions Including Biomass (short tons): 4174968.8
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 59
Operating Hours Stack Gas Flow Rate Substituted: 0
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 40691725 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 447.61 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 65.107 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 9399.8 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 20183.1 (Metric Tons)

Unit Name: 8
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 2926705.9
Annual CO₂ Emissions Including Biomass (short tons): 3226107.9
Annual CO₂ Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO₂ Concentration Substituted: 50
Operating Hours Stack Gas Flow Rate Substituted: 0
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 31443554 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 345.88 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 50.310 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 7263.5 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 15596.0 (Metric Tons)

Certification Statement:

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Facility Name: Walter C Beckjord Generating Station

Facility Identifier: 519999

Facility Reporting Year: 2012

Facility Location:

Address: 757 US RT 52

City: NEW RICHMOND

State: OH

Postal Code: 45200

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 3196463.6

CO2 Equivalent (mtons, Subparts LL-QQ): 0

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: THE DAYTON POWER & LIGHT CO

Address: 1065 Woodman Drive, Dayton, OH 45432

Percent Ownership Interest: 16.1

Parent Company Name: AMERICAN ELECTRIC POWER

Address: One Riverside Plaza, Columbus, OH 43215-2372

Percent Ownership Interest: 4

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St, Charlotte, NC 28202-1803

Percent Ownership Interest: 79.9

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.07 (Metric Tons)	
Nitrous Oxide		0.012 (Metric Tons)	
Carbon Dioxide		1572 (Metric Tons)	

Unit Details:

Unit Name: CT1

Unit Type: OCS (Other combustion source)

Unit Description:

Other Unit Name:

Emission Details:

Annual Biogenic CO2 Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO2 Emissions: (metric tons)

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 515.0

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Part75 Heat Input Method: Appendix D

Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0

Source operating hours in the reporting year that high heating value was missing:
0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Fuel type: Distillate Fuel Oil No. 2

Annual heat input: 6991 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.02 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.004 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 0.4 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 1.3 (Metric Tons)

Unit Name: CT3

Unit Type: OCS (Other combustion source)

Unit Description:

Other Unit Name:

Emission Details:

Annual Biogenic CO2 Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO2 Emissions: (metric tons)

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 262.0

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Part75 Heat Input Method: Appendix D

Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0

Source operating hours in the reporting year that high heating value was missing:
0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Fuel type: Distillate Fuel Oil No. 2

Annual heat input: 3559 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.01 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.002 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 0.2 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 0.7 (Metric Tons)

Unit Name: CT4

Unit Type: OCS (Other combustion source)

Unit Description:

Other Unit Name:

Emission Details:

Annual Biogenic CO2 Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO2 Emissions: (metric tons)

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 382.0

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Part75 Heat Input Method: Appendix D

Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0

Source operating hours in the reporting year that high heating value was missing:
0

Tier Fuel Details:**Fuel:** Distillate Fuel Oil No. 2**Fuel Emission Details:****Fuel type:** Distillate Fuel Oil No. 2**Annual heat input:** 5189 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0.02 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0.003 (Metric Tons)**CH₄ Emissions CO₂ Equivalent:** 0.3 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 1.0 (Metric Tons)**Unit Name:** GP-1**Unit Type:** OCS (Other combustion source)**Unit Description:** All in-house & tractor shed heaters**Other Unit Name:****Small Unit Aggregation Details:****Highest Maximum Rated Heat Input Capacity:** 1.7**Emission Details:****Annual CO₂ mass emissions from sorbent:** 0.0 (Metric Tons)**Annual Biogenic CO₂ Emissions:** 0.0 (metric tons)**Annual Fossil fuel based CO₂ Emissions:** 133.0 (metric tons)**Tier Fuel Details:****Fuel:** Distillate Fuel Oil No. 2**Tier Name:** Tier 2 (Equation C-2a)**Tier Methodology Start Date:** 2012-01-01**Tier Methodology End Date:** 2012-12-31**Frequency of HHV determination:** Once per fuel lot**Tier 2 Monthly HHV Details:**

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details:**Total CO₂ emissions**

133.0 (Metric Tons)

Total CH₄ emissions

0.01 (Metric Tons)

Total N₂O emissions

0.001 (Metric Tons)

Total CH₄ emissions

0.1 (Metric Tons)

Total N₂O emissions

0.3 (Metric Tons)

Unit Name: CT2**Unit Type:** OCS (Other combustion source)**Unit Description:****Other Unit Name:****Emission Details:**

Annual Biogenic CO2 Emissions: 0.0 (metric tons)
Annual Fossil fuel based CO2 Emissions: (metric tons)

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 280.0
Tier Methodology Start Date: 2012-01-01
Tier Methodology End Date: 2012-12-31
Part75 Heat Input Method: Appendix D
Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0
Source operating hours in the reporting year that high heating value was missing:
0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Fuel type: Distillate Fuel Oil No. 2
Annual heat input: 3803 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.01 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.002 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0.2 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0.7 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		374.65 (Metric Tons)	
Nitrous Oxide		54.495 (Metric Tons)	
Carbon Dioxide		3170125.3 (Metric Tons)	

Unit Details:

Unit Name: 6
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1814975.1

Annual CO2 Emissions Including Biomass (short tons): 2000647.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 30
Operating Hours Stack Gas Flow Rate Substituted: 100
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous Annual heat input: 19499477 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 214.49 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 31.199 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 4504.4 (Metric Tons) N₂O Emissions CO₂ Equivalent: 9671.7 (Metric Tons)

Unit Name: 1
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 0.0
Annual CO2 Emissions Including Biomass (short tons): 0.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 0
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous Annual heat input: 0 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons) N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Unit Name: 2
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 0.0
Annual CO2 Emissions Including Biomass (short tons): 0.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 0
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

<p>Fuel type: Bituminous Annual heat input: 0 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons) N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)</p>

Unit Name: 3
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 206843.9
Annual CO2 Emissions Including Biomass (short tons): 228004.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 1125
Operating Hours Stack Gas Flow Rate Substituted: 873
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous Annual heat input: 2222404 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 24.45 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 3.556 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 513.4 (Metric Tons) N₂O Emissions CO₂ Equivalent: 1102.3 (Metric Tons)

Unit Name: 4
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 340253.1
Annual CO₂ Emissions Including Biomass (short tons): 375061.0
Annual CO₂ Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO₂ Concentration Substituted: 46
Operating Hours Stack Gas Flow Rate Substituted: 3
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous Annual heat input: 3655536 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 40.21 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 5.849 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 844.4 (Metric Tons) N₂O Emissions CO₂ Equivalent: 1813.1 (Metric Tons)

Unit Name: MS51
Unit Type: Electricity Generator
Unit Description: Unit 5 emissions through stack 1
Part 75 Methodology: CEMS
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 416909.2

Annual CO2 Emissions Including Biomass (short tons): 459559.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 212

Operating Hours Stack Gas Flow Rate Substituted: 10

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 4479130 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 49.27 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 7.167 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 1034.7 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 2221.6 (Metric Tons)

Unit Name: MS52

Unit Type: Electricity Generator

Unit Description: Unit 5 emissions through stack 2

Part 75 Methodology: CEMS

Methodology Start Date: 2012-01-01

Methodology End Date: 2012-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 391144.0

Annual CO2 Emissions Including Biomass (short tons): 431158.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 127

Operating Hours Stack Gas Flow Rate Substituted: 42

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 4202772 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 46.23 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 6.724 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 970.8 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 2084.6 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Woodsdale

Facility Identifier: 520368

Facility Reporting Year: 2012

Facility Location:

Address: 2100 WOODSDALE RD

City: TRENTON

State: OH

Postal Code: 45100

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 17257.7

CO2 Equivalent (mtons, Subparts LL-QQ): 0

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221112

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 South Church St, Charlotte, NC 28202-1803

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	
Carbon Dioxide		0.1 (Metric Tons)	

Unit Details:

Unit Name: GP-1

Unit Type: OCS (Other combustion source)

Unit Description: Six propane heaters

Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 25

Emission Details:

Annual CO₂ mass emissions from sorbent: 0.0 (Metric Tons)

Annual Biogenic CO₂ Emissions: 0.0 (metric tons)

Annual Fossil fuel based CO₂ Emissions: 0.5 (metric tons)

Tier Fuel Details:

Fuel: Propane

Tier Name: Tier 1 (Equation C-1)

Tier Methodology Start Date: 2012-01-01

Tier Methodology End Date: 2012-12-31

Fuel Emission Details:

Total CO ₂ emissions	Total CH ₄ emissions	Total N ₂ O emissions	Total CH ₄ emissions CO ₂ e	Total N ₂ O emissions CO ₂ e
0.1 (Metric Tons)	0.00 (Metric Tons)	0.000 (Metric Tons)	0.0 (Metric Tons)	0.0 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.28 (Metric Tons)	
Nitrous Oxide		0.028 (Metric Tons)	
Carbon Dioxide		17243 (Metric Tons)	

Unit Details:

Unit Name: **GT5
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 2274.3
Annual CO2 Emissions Including Biomass (short tons): 2507.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0
Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 42186 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.04 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.004 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 0.9 (Metric Tons) N₂O Emissions CO₂ Equivalent: 1.3 (Metric Tons)

Fuel type: Propane Annual heat input: (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons) N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Unit Name: **GT4
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 2211.7
Annual CO2 Emissions Including Biomass (short tons): 2438.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 41020 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.04 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.004 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0.9 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 1.3 (Metric Tons)

Fuel type: Propane
Annual heat input: (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Unit Name: **GT6

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2012-01-01

Methodology End Date: 2012-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1215.6

Annual CO2 Emissions Including Biomass (short tons): 1340.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 0 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Fuel type: Propane

Annual heat input: (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Unit Name: **GT2

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: Appendix G, Equation G-4

Methodology Start Date: 2012-01-01

Methodology End Date: 2012-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO₂ Emissions Including Biomass (metric tons): 3128.0

Annual CO₂ Emissions Including Biomass (short tons): 3448.0

Annual CO₂ Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)

Annual heat input: 58024 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.06 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.006 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 1.2 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 1.8 (Metric Tons)

Fuel type: Propane

Annual heat input: (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Unit Name: **GT1

Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 4018.0
Annual CO2 Emissions Including Biomass (short tons): 4429.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0
Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 74529.0 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.07 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.007 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 1.6 (Metric Tons) N₂O Emissions CO₂ Equivalent: 2.3 (Metric Tons)

Fuel type: Propane Annual heat input: (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons) N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Unit Name: **GT3
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: Appendix G, Equation G-4
Methodology Start Date: 2012-01-01
Methodology End Date: 2012-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 4395.4
Annual CO2 Emissions Including Biomass (short tons): 4845.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0

Operating Hours HHV Substitution: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)

Annual heat input: 72999.0 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.07 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.007 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 1.5 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 2.3 (Metric Tons)

Fuel type: Propane

Annual heat input: (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.00 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.000 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 0.0 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 0.0 (Metric Tons)

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Duke Energy Ohio Gas Operation

Facility Identifier: 523836

Facility Reporting Year: 2012

Facility Location:

Address: 139 East Fourth St.

City: Cincinnati

State: OH

Postal Code: 45201

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 41807.8

CO2 Equivalent (mtons, Subparts LL-QQ): 3148098.4

Biogenic CO2 (mtons, Subparts C-II and RR-UU): 0

Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2012-01-01

GHG Report End Date: 2012-12-31

Description of Changes to Calculation Methodology:

Part 75 Biogenic Emissions Indication:

Primary NAICS Code: 221210

Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP

Address: 526 S. Church St., Charlotte, NC 28201

Percent Ownership Interest: 100

Subpart W: Petroleum and Natural Gas Systems

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Methane		1988 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	
Carbon Dioxide		59/8 (Metric Tons)	

Subpart W Summary Details:

Industry Segment Number	8
Industry Segment Name	Natural gas distribution [(98.230(a)(8)]
Annual throughput [98.236(d)] Gaseous Throughput (MMscf)	66959447
Annual throughput [98.236(d)] Liquid Throughput (thousand barrels)	0
Total Reported CO2 Emissions (mt CO2)	59.8
Total Reported CH4 Emissions (mt CO2e)	41747.9
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	41807.7

Subpart W Source Reporting Form Row Details:

Source Reporting Form	Sub-Base Selection
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	N/A
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	N/A
Source Reporting Form	Natural gas Pneumatic Devices [(98.236(c)(1)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Natural Gas Driven Pneumatic Pumps [98.236(c)(2)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Acid Gas Removal Units [98.236(c)(3)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (CO2e)	0.0
Source Reporting Form	Dehydrators [98.236(c)(4)]

Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Well Venting for Liquids Unloading [98.236(c)(5)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Gas Well Completions and Workovers [98.236(c)(6)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Blowdown Vent Stacks [98.236(c)(7)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Gas from Produced Oil Sent to Atmospheric Tanks [98.236(c)(8)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Transmission Tanks [98.236(c)(9)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Well Testing Venting and Flaring [98.236(c)(10)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Associated Gas Venting and Flaring [98.236(c)(11)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0

Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Flare Stacks [98.236(c)(12)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Centrifugal Compressors [98.236(c)(13)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Reciprocating Compressors [98.236(c)(14)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Other Emissions from Equipment Leaks Estimated Using Emission Factors [98.236(c)(15)]
Required for Selected Industry Segment	Yes
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Local Distribution Companies [98.236(c)(16)]
Required for Selected Industry Segment	Yes
Total Reported CO2 Emissions (mt CO2)	59.80
Total Reported CH4 Emissions (mt CO2e)	41747.9
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	41807.7
Source Reporting Form	Enhanced Oil Recovery Injection Pump Blowdown [98.236(c)(17)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Enhanced Oil Recovery Hydrocarbon Liquids Dissolved CO2 [98.236(c)(18)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	N/A
Total Reported N2O Emissions (mt CO2e)	N/A
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Onshore Petroleum and Natural Gas Production and Natural Gas Distribution

Required for Selected Industry Segment	Combustion Emissions [98.236(c)(19)]
Total Reported CO2 Emissions (mt CO2)	Yes
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0
Source Reporting Form	Offshore Sources [98.236(b)]
Required for Selected Industry Segment	No
Total Reported CO2 Emissions (mt CO2)	0.0
Total Reported CH4 Emissions (mt CO2e)	0.0
Total Reported N2O Emissions (mt CO2e)	0.0
Total Reported Emissions (mt CO2e)	0.0

OtherEmissionsFromEquipmentLeaksDetails:

mt CO2	0.0
mt CH4 (mt CO2e)	0.0
mt N2O (mt CO2e)	N/A
Total Emissions (mt CO2e)	0.0
Does the facility have any equipment leaks subject to reporting under 98.232?	Yes
Were BAMM used for any parameters to calculate GHG emissions? [98.3(c)(7)]	No
Provide a brief description of the BAMM used, parameter measured, and time period. [98.3(c)(7)]	
Were missing data procedures used for any parameters to calculate GHG emissions? [98.235]	No

EstimatingEmissionsFoundInLeakSurveyRowDetails:

Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Block Valve
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	20
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction)	

[98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	
Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Connector
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	53
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	
Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Control Valve
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	1
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction)	

[98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	
Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Open-ended Line
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	7
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	
Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Office Meter
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	0
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction)	

[98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	
Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Pressure Relief Valve
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	6
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	
Component Type (Select from list) [98.236(c)(15)]	LDC, T-D Stations – Regulator
Date of first complete survey [98.236(c)(15)(i)(A)]	2012-09-12
Total count of leaks found in the first survey [98.236(c)(15)(i)(A)]	6
Date of second complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the second survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of third complete survey (if applicable) [98.236(c)(15)(i)(A)]	
Total count of leaks found in the third survey (if applicable) [98.236(c)(15)(i)(A)]	
Date of fourth complete survey (if applicable) [98.236(c)(15)(i)(A)]	

Total count of leaks found in the fourth survey (if applicable) [98.236(c)(15)(i)(A)]	
Minimum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CO2 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Minimum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
Maximum concentration of CH4 (volumetric fraction) [98.236(c)(15)(i)(B)]	
CO2 Emissions (mt CO2) [98.236(c)(15)(i)(C)]	
CH4 Emissions (mt CO2e) [98.236(c)(15)(i)(C)]	

LocalDistributionCompaniesDetails:

mt CO2	59.8
mt CH4 (mt CO2e)	41747.9
mt N2O (mt CO2e)	N/A
Total Emissions (mt CO2e)	41807.7
Were BMM used for any parameters to calculate GHG emissions? [98.3(c)(7)]	No
Provide a brief description of the BMM used, parameter measured, and time period. [98.3(c)(7)]	
Were missing data procedures used for any parameters to calculate GHG emissions? [98.235]	No
Total number of above grade T-D transfer stations [98.236(c)(16)(i)]	18
Number of years over which all T-D transfer stations will be monitored at least once [98.236(c)(16)(ii)]	1
Number of T-D stations monitored in calendar year [98.236(c)(16)(iii)]	18
Total number of below grade T-D transfer stations [98.236(c)(16)(iv)]	0
Total number of above grade metering-regulating stations (this count will include above grade T-D transfer stations) [98.236(c)(16)(v)]	18
Total number of below grade metering-regulating stations (this count will include below grade T-D transfer stations) [98.236(c)(16)(vi)]	0
Annual CO2 emissions from all above grade T-D transfer stations combined (mt CO2) [98.236(c)(16)(xvii)]	1.4
Annual CH4 emissions from all above grade T-D transfer stations combined (mt CO2e) [98.236(c)(16)(xvii)]	999.5
Annual CO2 emissions from all below grade T-D transfer stations combined (mt CO2) [98.236(c)(16)(xviii)]	0.0
Annual CH4 emissions from all below grade T-D transfer stations combined (mt CO2e) [98.236(c)(16)(xviii)]	0.0
Annual CO2 emissions from all above grade metering-regulating stations (including T-D transfer stations) combined (mt CO2) [98.236(c)(16)(xix)]	1.4
Annual CH4 emissions from all above grade metering-	999.5

regulating stations (including T-D transfer stations) combined (mt CO2e) [98.236(c)(16)(xix)]	
Annual CO2 emissions from all below grade metering-regulating stations (including T-D transfer stations) combined (mt CO2) [98.236(c)(16)(xx)]	0.0
Annual CH4 emissions from all below grade metering-regulating stations (included T-D transfer stations) combined (mt CO2e) [98.236(c)(16)(xx)]	0.0
Annual CO2 emissions from all distribution mains combined (mt CO2) [98.236(c)(16)(xxi)]	42.9
Annual CH4 emissions from all distribution mains combined (mt CO2e) [98.236(c)(16)(xxi)]	29886.6
Annual CO2 emissions from all distribution services combined (mt CO2) [98.236(c)(16)(xxii)]	15.6
Annual CH4 emissions from all distribution services combined (mt CO2e) [98.236(c)(16)(xxii)]	10861.9
Leak factor for meter/regulator run developed in Equation W-32 of 98.233 [98.236(c)(16)(viii)] (NOTE: Report the leak factor for CH4 ONLY)	
Number of miles of unprotected steel distribution mains [98.236(c)(16)(ix)]	
Number of miles of protected steel distribution mains [98.236(c)(16)(x)]	
Number of miles of plastic distribution mains [98.236(c)(16)(xi)]	
Number of miles of cast iron distribution mains [98.236(c)(16)(xii)]	
Number of unprotected steel distribution services [98.236(c)(16)(xiii)]	
Number of protected steel distribution services [98.236(c)(16)(xiv)]	
Number of plastic distribution services [98.236(c)(16)(xv)]	
Number of copper distribution services [98.236(c)(16)(xvi)]	

CombustionEmissionsDetails:

mt CO2	0.0
mt CH4 (mt CO2e)	0.0
mt N2O (mt CO2e)	0.0
Total Emissions (mt CO2e)	0.0
Does the Facility have combustion emissions subject to reporting under 98.232?	Yes
Were BAMM used for any parameters to calculate GHG emissions? [98.3(c)(7)]	No
Provide a brief description of the BAMM used, parameter measured, and time period. [98.3(c)(7)]	
Were missing data procedures used for any parameters to calculate GHG emissions? [98.235]	No

ExternalFuelHeatCapacityLessThanSpecifiedValueRowDetails:

Type of Unit [98.236(c)(19)(i)]	Process Heaters
Number of Units [98.236(c)(19)(i)]	2

Subpart NN: Supplies of Natural Gas and Natural Gas Liquids

Gas Information Details

Gas Name	Gas Quantity	Own Result?
Carbon Dioxide	3148098.4 (Metric Tons)	

Name **Value** **Times Substituted**
 AnnualVolumeGasReceived 66497481 (Mscf) 3
 Industry Standard for Volume:
 Industry standard practices
 Other Industry Standard for Volume:

Name **Value** **Times Substituted**
 AnnualVolumeGasStored 0 (Mscf) 0

Name **Value** **Times Substituted**
 AnnualVolumeLNGforDelivery 0 (Mscf) 0

Name **Value** **Times Substituted**
 AnnualVolumeGasfromStorageforDelivery 0 (Mscf) 0

Name **Value** **Times Substituted**
 AnnualVolumeGasReceivedfromLocalProduction 0 (Mscf) 0

Name **Value** **Times Substituted**
 AnnualVolumeGasDeliveredtoOtherLDC/Pipe 771891 (Mscf) 0

Name **Value** **Own Result?**
 NN1CO2MassTotal 3624415.9 (Metric Tons) N

Name **Value** **Own Result?**
 NN3CO2MassTotal 42454.0 (Metric Tons) N

Name **Value** **Own Result?**
 NN4CO2MassTotal 433863.5 (Metric Tons) N

Name **Value** **Own Result?**
 NN5CO2MassTotal 0.0 (Metric Tons) N

NN1 Equation Details:
Name **Value** **Times Substituted**

DevelopedHHV 1.028 (MMBtu/Mscf) 0

Name	Value	Times Substituted
DevelopedEF	53.02 (kg CO2/MMBtu)	0

Industry Standard for HHV: Other Industry Standard for HHV:

Industry Standard for EF: Other Industry Standard for EF:

NN3 Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.055 (MT CO2/Mscf)	

Industry Standard for EF:

NN4 Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.055 (MT CO2/Mscf)	

Industry Standard for EF:

NN5 Equation Details:

Name	Value	Times Substituted
DevelopedEF	0.055 (MT CO2/Mscf)	

Customer Details

Name: Graphic Packaging Intl In
Address: 407 Charles St. Middletown, OH, 45042
Meter Number: 550867 & 671556
EIA Number:

Name	Value
AnnualVolumeGasDeliveredtoMeter	783208 (Mscf)

Name: University of Cincinnati
Address: 3001 Vine St. Cincinnati, OH, 45268
Meter Number: 588806 & 797216
EIA Number:

Name	Value
AnnualVolumeGasDeliveredtoMeter	3147557(Mscf)

Name: Emery Oleochemicals
Address: 4900 Este Avenue, Cincinnati, OH, 45232
Meter Number: 606157 & 606158
EIA Number:

Name	Value
AnnualVolumeGasDeliveredtoMeter	3220708 (Mscf)

Name: GE Aircraft Engine

Address: 1 Neumann Way, Cincinnati, OH 45215

Meter Number: 371771 & 682358

EIA Number:

Name	Value
AnnualVolumeGasDeliveredtoMeter	736954 (Mscf)

NG Delivery Details

Name: Residential consumers

Name	Value
VolumeofNaturalGas	25342309 (Mscf)

Name: Commercial consumers

Name	Value
VolumeofNaturalGas	21723555 (Mscf)

Name: Industrial consumers

Name	Value
VolumeofNaturalGas	18167544 (Mscf)

Name: Electricity generating facilities

Name	Value
VolumeofNaturalGas	33821 (Mscf)

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 572504.2
Annual CO2 Emissions Including Biomass (short tons): 631071.4
Annual CO2 Emissions from Biomass (metric tons): 0.0

Appendix G Equation G4:

Operating Hours Fuel Flow Rate: 0
Operating Hours HHV Substitution: 16

Electricity Fuel Details:

Fuel Type: Natural Gas (Weighted U.S. Average)
CH4 Emissions CO2 Equivalent (metric tons): 223.0
N2O Emissions CO2 Equivalent (metric tons) 329.2

GHG SUMMARY REPORT

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Miami Fort Generating Station
Facility Identifier: 520000
Facility Reporting Year: 2011
Facility Location:
Address: PO BOX 128 BROWER RD
City: NORTH BEND
State: OH
Postal Code: 45100

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 6965679.8
CO2 Equivalent (mtons, Subparts NN-PP): 0
Biogenic CO2 (mtons, Subparts C-HH): 0
Cogeneration Unit Emissions Indicator: N

GHG Report Start Date: 2011-01-01
GHG Report End Date: 2011-12-31
Description of Changes to Calculation Methodology:
Description of Best Available Monitoring Methods Used: Part 75
Biogenic Emissions Indication:
Primary NAICS Code: 221112
Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP
Address: 526 South Church St, Charlotte, NC 28202-1803
Percent Ownership Interest: 70.1
Parent Company Name: THE DAYTON POWER & LIGHT CO
Address: 1065 Woodsman Drive, Dayton, OH 45432
Percent Ownership Interest: 29.9

Subpart C: General Stationary Fuel Combustion

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		0.04 (Metric Tons)	
Nitrous Oxide		0.008 (Metric Tons)	
Carbon Dioxide		983.3 (Metric Tons)	

Unit Details:

Unit Name: GP-1 (CTs)
Unit Type: OCS (Other combustion source)
Unit Description: 4 Oil Fired CTs
Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 236

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0
Annual Biogenic CO2 Emissions (metric tons): 0.0
Annual Fossil fuel based CO2 Emissions (metric tons): 983.3

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2
Tier Name: Tier 1 (Equation C-1)
Tier Methodology Start Date: 2011-01-01
Tier Methodology End Date: 2011-12-31

Fuel Emission Details:

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
983.3 (Metric Tons)	0.04 (Metric Tons)	0.008 (Metric Tons)	0.8 (Metric Tons)	2.5 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		816.7 (Metric Tons)	
Nitrous Oxide		118.795 (Metric Tons)	
Carbon Dioxide		6910716 (Metric	

Unit Details:

Unit Name: 8
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2011-01-01
Methodology End Date: 2011-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 2852095.9
Annual CO2 Emissions Including Biomass (short tons): 3143865.3
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 29
Operating Hours Stack Gas Flow Rate Substituted: 10
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 7078.3

N2O Emissions CO2 Equivalent (metric tons): 15198.4

Unit Name: 7

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 3000871.9

Annual CO2 Emissions Including Biomass (short tons): 3307861.1

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 54

Operating Hours Stack Gas Flow Rate Substituted: 45

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 7447.5

N2O Emissions CO2 Equivalent (metric tons): 15991.2

Unit Name: 6

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1057748.2

Annual CO2 Emissions Including Biomass (short tons): 1165955.8

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 293
Operating Hours Stack Gas Flow Rate Substituted: 28
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous
CH4 Emissions CO2 Equivalent (metric tons): 2625.1
N2O Emissions CO2 Equivalent (metric tons): 5636.6

GHG SUMMARY REPORT

Certification Statement:

The designated representative or alternate designated representative must sign (i.e., agree to) this certification statement. If you are an agent and you click on "SUBMIT", you are not agreeing to the certification statement, but are submitting the certification statement on behalf of the designated representative or alternate designated representative who is agreeing to the certification statement. An agent is only authorized to make the electronic submission on behalf of the designated representative, not to sign (i.e., agree to) the certification statement.

Facility Name: Walter C Beckjord Generating Station
Facility Identifier: 519999
Facility Reporting Year: 2011
Facility Location:
Address: 757 US RT 52
City: NEW RICHMOND
State: OH
Postal Code: 45200

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-HH): 3649183.3
CO2 Equivalent (mtons, Subparts NN-PP): 0
Biogenic CO2 (mtons, Subparts C-HH): 0
Cogeneration Unit Emissions Indicator: N
GHG Report Start Date: 2011-01-01
GHG Report End Date: 2011-12-31
Description of Changes to Calculation Methodology:
Description of Best Available Monitoring Methods Used: Part 75
Biogenic Emissions Indication:

Primary NAICS Code: 221112
Second Primary NAICS Code:

Parent Company Details:

Parent Company Name: DUKE ENERGY CORP
Address: 526 South Church St, Charlotte, NC 28202-1803
Percent Ownership Interest: 79.9
Parent Company Name: AMERICAN ELECTRIC POWER
Address: One Riverside Plaza, Columbus, OH 43215-2372
Percent Ownership Interest: 4
Parent Company Name: THE DAYTON POWER & LIGHT CO
Address: 1065 Woodman Drive, Dayton, OH 45432
Percent Ownership Interest: 16.1

Subpart C: General Stationary Fuel Combustion

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon		0 (Metric Tons)	
Methane		0.08 (Metric Tons)	
Nitrous Oxide		0.016 (Metric Tons)	
Carbon Dioxide		1918.4 (Metric Tons)	

Unit Details:

Unit Name: CT1
Unit Type: OCS (Other combustion source)
Unit Description:
Other Unit Name:

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons):
Annual Biogenic CO2 Emissions (metric tons): 0.0
Annual Fossil fuel based CO2 Emissions (metric tons):

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 704.0
Tier Methodology Start Date: 2011-01-01
Tier Methodology End Date: 2011-12-31
Part75 Heat Input Method: Appendix D
Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0
Source operating hours in the reporting year that high heating value was missing: 0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Total CH4 emissions CO2e	Total N2O emissions CO2e
0.6 (Metric Tons)	1.8 (Metric Tons)

Unit Name: CT2

Unit Type: OCS (Other combustion source)

Unit Description:

Other Unit Name:

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons):

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 650.0

Tier Methodology Start Date: 2011-01-01

Tier Methodology End Date: 2011-12-31

Part75 Heat Input Method: Appendix D

Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0

Source operating hours in the reporting year that high heating value was missing: 0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Total CH4 emissions CO2e	Total N2O emissions CO2e
0.6 (Metric Tons)	1.6 (Metric Tons)

Unit Name: CT4

Unit Type: OCS (Other combustion source)

Unit Description:

Other Unit Name:

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons):

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 233.4

Tier Methodology Start Date: 2011-01-01

Tier Methodology End Date: 2011-12-31

Part75 Heat Input Method: Appendix D

Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 8

Source operating hours in the reporting year that high heating value was missing: 0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Total CH4 emissions CO2e	Total N2O emissions CO2e
0.2 (Metric Tons)	0.6 (Metric Tons)

Unit Name: CT3

Unit Type: OCS (Other combustion source)

Unit Description:

Other Unit Name:

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons):

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons):

Annual CO2 emission measured by CEMS or Other Part75 Methodology: 112.8

Tier Methodology Start Date: 2011-01-01

Tier Methodology End Date: 2011-12-31

Part75 Heat Input Method: Appendix D

Part 75 CO2 Methodology: Appendix D and G calculation method--- § 98.33(a)(5)(i)

Appendix D and G calculation method:

Source operating hours in the reporting year that fuel flow rate was missing: 0

Source operating hours in the reporting year that high heating value was missing: 0

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Fuel Emission Details:

Total CH4 emissions CO2e	Total N2O emissions CO2e
0.1 (Metric Tons)	0.3 (Metric Tons)

Unit Name: GP-1

Unit Type: OCS (Other combustion source)

Unit Description: All in-house & tractor shed heaters

Other Unit Name:

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 1.7

Emission Details:

Annual Sorbent based CO2 Emissions (metric tons): 0.0

Annual Biogenic CO2 Emissions (metric tons): 0.0

Annual Fossil fuel based CO2 Emissions (metric tons): 218.2

Tier Fuel Details:

Fuel: Distillate Fuel Oil No. 2

Tier Name: Tier 2 (Equation C-2a)

Tier Methodology Start Date: 2011-01-01

Tier Methodology End Date: 2011-12-31

Frequency of HHV determinations: Once per fuel lot

Tier 2 Monthly HHV Details:

January	February	March	April	May	June	July	August	September	October	November	December
N	N	N	N	N	N	N	N	N	N	N	N

Fuel Emission Details:

Total CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
218.2 (Metric Tons)	0.01 (Metric Tons)	0.002 (Metric Tons)	0.2 (Metric Tons)	0.6 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details:

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		427.7 (Metric Tons)	
Nitrous Oxide		62.21 (Metric Tons)	
Carbon Dioxide		3618991.5 (Metric Tons)	

Unit Details:

Unit Name: 3

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 5344.3

Annual CO2 Emissions Including Biomass (short tons): 5891.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 3

Operating Hours Stack Gas Flow Rate Substituted: 12

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 13.3

N2O Emissions CO2 Equivalent (metric tons): 28.5

Unit Name: 5

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 1135105.7

Annual CO2 Emissions Including Biomass (short tons): 1251227.0

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 103

Operating Hours Stack Gas Flow Rate Substituted: 27

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 2817.2

N2O Emissions CO2 Equivalent (metric tons): 6049.1

Unit Name: 4

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 356728.4

Annual CO2 Emissions Including Biomass (short tons): 393221.7

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 90

Operating Hours Stack Gas Flow Rate Substituted: 84

Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 885.3

N2O Emissions CO2 Equivalent (metric tons): 1901.0

Unit Name: 6

Unit Type: Electricity Generator

Unit Description:

Part 75 Methodology: CEMS
Methodology Start Date: 2011-01-01
Methodology End Date: 2011-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 2115971.2
Annual CO2 Emissions Including Biomass (short tons): 2332435.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 55
Operating Hours Stack Gas Flow Rate Substituted: 1028
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous
CH4 Emissions CO2 Equivalent (metric tons): 5251.4
N2O Emissions CO2 Equivalent (metric tons): 11275.7

Unit Name: 1
Unit Type: Electricity Generator
Unit Description:
Part 75 Methodology: CEMS
Methodology Start Date: 2011-01-01
Methodology End Date: 2011-12-31
Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 0.0
Annual CO2 Emissions Including Biomass (short tons): 0.0
Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 0
Operating Hours Stack Gas Flow Rate Substituted: 0
Operating Hours Stack Gas Moisture Substituted:

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 0.0

N2O Emissions CO2 Equivalent (metric tons): 0.0

Unit Name: 2

Unit Type: Electricity Generator

Unit Description

Part 75 Methodology: CEMS

Methodology Start Date: 2011-01-01

Methodology End Date: 2011-12-31

Acid Rain Program Indicator: Y

Emission Details:

Annual CO2 Emissions Including Biomass (metric tons): 5841.9

Annual CO2 Emissions Including Biomass (short tons): 6439.5

Annual CO2 Emissions from Biomass (metric tons): 0.0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 8

Operating Hours Stack Gas Flow Rate Substituted: 3

Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel Type: Bituminous

CH4 Emissions CO2 Equivalent (metric tons): 14.5

N2O Emissions CO2 Equivalent (metric tons): 31.1

This foregoing document was electronically filed with the Public Utilities

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in

Case No(s). 13-0850-EL-UNC

Summary: Notice Notice of Filing of Greenhouse Gas Reports by Duke Energy Ohio electronically filed by Ms. Lisa A DeMarcus-Eyckmans on behalf of Duke Energy Ohio