

The Dayton Power and Light Company's) Case No. 13-871-EL-ECP
Notice of Filing Greenhouse Gas Report)
)

Attorneys for The Dayton Power and Light
Company

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: J M Stuart**Facility Identifier:** 520011**Facility Reporting Year:** 2012**Facility Location:**

Address: US Route 52

City: Aberdeen

State: OH

Postal Code: 45101

Facility Site Details:**CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU):** 11303328**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:** Dayton Power and Light Company**Address:** 1065 Woodman Drive, Dayton, OH 45432**Percent Ownership Interest:** 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		3673.8 (Metric Tons)	
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0.15 (Metric Tons)	
Nitrous Oxide		0.03 (Metric Tons)	

Unit Details:**Unit Name :** GP01**Unit Type :****Unit Description :** Group 1**Small Unit Aggregation Details:****Highest Maximum Rated Heat Input Capacity:** 70**Emission Details:****Annual Biogenic CO2 Emissions:** 0 (metric tons)**Annual Fossil fuel based CO2 Emissions:** 3673.8 (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 determinations : Other (specify)

Other specified frequency of HHV determinations : Per 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
3673.8 (Metric Tons)	0.15 (Metric Tons)	0.03 (Metric Tons)	3.1 (Metric Tons)	9.2 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		11237225 (Metric Tons)	
Methane		120.73 (Metric Tons)	
Nitrous Oxide		193.166 (Metric Tons)	

Unit Details:

Unit Name : MS4B

Unit Type : Electricity Generator

Unit Description : Boiler 4 Bypass Stack

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): 17876.6

Annual CO2 Emissions Including Biomass (short tons): 19705.4

Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 44

Operating Hours Stack Gas Flow Rate Substituted: 22

Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 192075 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.19 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.307 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 4 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 95.2 (Metric Tons)

Unit Name : MS2W

Unit Type : Electricity Generator

Unit Description : Boiler 2 Wet Stack

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): 3180392.6

Annual CO2 Emissions Including Biomass (short tons): 3505746.8

Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 42

Operating Hours Stack Gas Flow Rate Substituted: 3

Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 34169054 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 34.17 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 54.67 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 717.6 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 16947.7 (Metric Tons)

Unit Name : MS2B

Unit Type : Electricity Generator

Unit Description : Boiler 2 Bypass Stack

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): 10082.7

Annual CO2 Emissions Including Biomass (short tons): 11114.2

Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 24

Operating Hours Stack Gas Flow Rate Substituted: 67

Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous

Annual heat input: 108329 (mmBtu)

Annual CH₄ emissions from combustion of the specified fuel: 0.11 (Metric Tons)

Annual N₂O emissions from combustion of the specified fuel: 0.173 (Metric Tons)

CH₄ Emissions CO₂ Equivalent: 2.3 (Metric Tons)

N₂O Emissions CO₂ Equivalent: 53.6 (Metric Tons)

Unit Name : MS3W

Unit Type : Electricity Generator

Unit Description : Boiler 3 Wet Stack

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): 1885393.6
Annual CO2 Emissions Including Biomass (short tons): 2078269.4
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 509
Operating Hours Stack Gas Flow Rate Substituted: 2
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 20256060 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 20.26 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 32.41 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 425.5 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 10047.1 (Metric Tons)

Unit Name : MS4W

Unit Type : Electricity Generator

Unit Description : Boiler 4 Wet Stack

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): 3116354.4
Annual CO2 Emissions Including Biomass (short tons): 3435157.5
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 8
Operating Hours Stack Gas Flow Rate Substituted: 9
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 33481107 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 33.48 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 53.57 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 703.1 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 16606.7 (Metric Tons)

Unit Name : MS3B

Unit Type : Electricity Generator

Unit Description : Boiler 3 Bypass Stack

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): 16342.4
Annual CO2 Emissions Including Biomass (short tons): 18014.2
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 48
Operating Hours Stack Gas Flow Rate Substituted: 19
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 175573 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.18 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.281 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 3.8 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 87.1 (Metric Tons)

Unit Name : MS1B
Unit Type : Electricity Generator
Unit Description : Boiler 1 Bypass Stack
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): 27171.3
Annual CO2 Emissions Including Biomass (short tons): 29950.9
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 63
Operating Hours Stack Gas Flow Rate Substituted: 67
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 291927 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.29 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.467 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 6.1 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 144.8 (Metric Tons)

Unit Name : MS1W
Unit Type : Electricity Generator
Unit Description : Boiler 1 Wet Stack
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): 2983611.4
Annual CO2 Emissions Including Biomass (short tons): 3288834.8
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 1056
Operating Hours Stack Gas Flow Rate Substituted: 31
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 32054920 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 32.05 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 51.288 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 673.1 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 15899.3 (Metric Tons)

GHGRP Annual Report - 2012

Report generated on 03/28/2013

Facility/Supplier Name: Killen Station
Facility ID: 520253

Reporting Elements for Subpart A

Facility/Supplier Information

Name of Facility/Supplier: Killen Station
Physical Street Address: 14888 U.S. 52
City, State, Zip Code: Manchester OH 45144
Comments for EPA:

Reporting Months/Year: January-December 2012
Report Date: 3/28/2013

Source Category	CO ₂ (mt)	CH ₄ (mt)	N ₂ O (mt)	CO ₂ eq (mt)	Biogenic CO ₂	Fluorinated GHG
Subpart C	0.0	0.00	0.000	0.0	0.0	
Subpart D	3,283,884.6	36.00	56.121	3,301,838.1	0.0	
TOTAL	3,283,884.6	36.00	56.121	3,301,838.1	0.00	
Cogeneration Unit Emissions	No					

Changes to Emission Calculation Methodologies

Did you change emission methodologies during the reporting period?

If yes, provide a written explanation, as required under § 98.3(e) in the space below.

Use of Best Available Monitoring Method (BAMM)

Did you use BAMM for any data element during the reporting period?

If yes, provide each parameter using BAMM and the time period during which BAMM was used.

Time Period Used

Parameter	Description	NAICS Code(s)
Primary NAICS Code	221112	
Secondary NAICS Code		
Additional NAICS Code(s)		

Parent Owner Company Information

Reporting Entity is Owned by: Dayton Power and Light Company
Single U.S. company that is, itself, owned by another U.S. company: Dayton Power and Light Company
Physical Street Address: 1065 Woodman Drive
City: Dayton
State: OH
Zip Code: 45432
% Ownership: 100

GHGRP Annual Report - 2012

Report generated on 03/28/2013

Facility/Supplier Name: Killen Station
 Facility ID: 520253
 Applicability: Subpart C Tier 2

Unit-Level Details for Subpart C											
Unit ID	Subpart Start Date	Subpart End Date	Fuels Combusted During Year	CO2 Calculation Methodology	Sampling Frequency	Source Type Code	Max Rated Heat Input Capacity	H/Steam Ratio	Measured or Substituted?	Monthly HHV Value	Steam Produced
Black Start Turbine Unit	1/1/2009	12/31/2012	Petrol - Distillate Fuel Oil No. 2	Tier 2	Per Lot	SCCT	288.4 mmBtu/hr	N/A			
	1/1/2009	12/31/2012	Petrol - Distillate Fuel Oil No. 2	Tier 2	Per Lot		98 mmBtu/hr	N/A			
Unit-Level Fuel Data for Subpart C											
Unit ID	Fuels Combusted During Year	Start Date	End Date	Month	Fuel Consumed	Fuel Use Substituted?	#Hrs Sub	Monthly HHV Value	Measured or Substituted?	Steam Produced	
Black Start Turbine Unit	Petrol - Distillate Fuel Oil No.	1/1/2009	N/A	January	0 gal	No	N/A		M	N/A	
				February	0 gal	No	N/A		M	N/A	
				March	0 gal	No	N/A		M	N/A	
				April	0 gal	No	N/A		M	N/A	
				May	0 gal	No	N/A		M	N/A	
				June	0 gal	No	N/A		M	N/A	
				July	0 gal	No	N/A		M	N/A	
				August	18,012 gal	No	N/A		M	N/A	
				September	0 gal	No	N/A		M	N/A	
				October	0 gal	No	N/A		M	N/A	
				November	0 gal	No	N/A		M	N/A	
				December	0 gal	No	N/A		M	N/A	
				Total	18,012 gal	No	N/A		M	N/A	

Group 1

Petrol - Distillate Fuel Oil No											1/1/1980	12/31/2009
January	29,719 gal	No	N/A		M	N/A						
February	30,633 gal	No	N/A		M	N/A						
March	14,258 gal	No	N/A		M	N/A						
April	13,911 gal	No	N/A		M	N/A						
May	9,731 gal	No	N/A		M	N/A						
June	9,021 gal	No	N/A		M	N/A						
July	6,306 gal	No	N/A		M	N/A						
August	1,116 gal	No	N/A		M	N/A						
September	223 gal	No	N/A		M	N/A						
October	669 gal	No	N/A		M	N/A						
November	135 gal	No	N/A		M	N/A						
December	17,988 gal	No	N/A		M	N/A						
Total	133,710 gal	No	N/A		M	N/A						

Annual CO2, CH4, and N2O By Fuel Type							
Unit ID	Fuel Type	CO2(mt)	CH4 (awar)(mt)	CH4 (awar)(CO2e)	N2O(mt)	N2O (awar)(CO2e)	Total CO2(mt)
Black Start Turbine Unit (1/1/2008-12/31/2012)	Petrol - Distillate Fuel Oil No.	0.0	0.00	0.0	0.000	0.0	0.0
Group 1 (1/1/2008-12/31/2012)	Petrol - Distillate Fuel Oil No.	0.0	0.00	0.0	0.000	0.0	0.0
Tier 2 (Subpart C) Black Start Turbine Unit, Group 1							

Total		0.0	0.00	0.0	0.000	0.0	0.0	0.0	0.0
Annual Unit-Level CO2e									
Unit ID	CO2(mT)	CH4(mT)	CH4 (as mT CO2e)	N2O(mT)	N2O (as mT CO2e)	N2O	Biogenic CO2(mT)	Total CO2e(mT)	
Black Start Turbine Unit	0.0	0.00	0.0	0.000	0.0	0.0	0.0	0.0	
Group 1	0.0	0.00	0.0	0.000	0.0	0.0	0.0	0.0	
Total	0.0	0.00	0.0	0.000	0.0	0.0	0.0	0.0	

GHGRP Annual Report - 2012

Report generated on 03/28/2013

Facility/Supplier Name: Killen Station
 Facility ID: 520253
 Monitoring Location ID(s): Boiler 2
 Applicability: Subpart D

Monitoring Location ID(s)	Unit/Stack/Pipe Level	Start Date	Methodology	End Date	Methodology	Yes	Source Type
Boiler 2	Boiler 2	1/1/2009	CEMS	1/1/2009	N/A	Yes	Electricity Generation

Unit/Stack/Pipe ID	Fuel Type	Start Date	End Date	Total Heat Input (mmBtu)	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CH ₄ (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ e (mT) *
Boiler 2 (1/1/2009 - 12/31/2012)	Coal - Bituminous	1/1/2009	N/A	34,943,147	34.94	733.8	733.7	55,909	17,331.8
	Petrol - Diesel Fuel Oil No.	1/1/2009	N/A	352,961	1.06	22.2	22.3	0.212	87.9
	Total				36.00	756.1		56,121	3,301,838.1

* Total CO₂e by fuel type not including biogenic credit or CO₂mT

Unit/Stack/Pipe ID	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Biogenic CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Total CO ₂ e (mT) (as mT CO ₂ e) EPA-rounded value used in XML
Boiler 2 (1/1/2009 - 12/31/2012)	36.00	56.121	17,397.5	0.0	3,301,838.1
Total	36.00	56.121	17,397.5	0.0	3,301,838.1

Unit/Stack/Pipe ID	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Biogenic CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Total CO ₂ e (mT) (as mT CO ₂ e) EPA-rounded value used in XML
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Unit/Stack/Pipe ID	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Biogenic CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Total CO ₂ e (mT) (as mT CO ₂ e) EPA-rounded value used in XML
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Unit/Stack/Pipe ID	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Biogenic CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Total CO ₂ e (mT) (as mT CO ₂ e) EPA-rounded value used in XML
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Unit/Stack/Pipe ID	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Biogenic CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Total CO ₂ e (mT) (as mT CO ₂ e) EPA-rounded value used in XML
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Unit/Stack/Pipe ID	CH ₄ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	N ₂ O (mT) (as mT CO ₂ e) EPA-rounded value used in XML	CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Biogenic CO ₂ (mT) (as mT CO ₂ e) EPA-rounded value used in XML	Total CO ₂ e (mT) (as mT CO ₂ e) EPA-rounded value used in XML
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e-GGRT Reporting Year Comparison Trend

Facility: Killen Station
 Address: 14869 US 52
 MANCHESTER, OH 45144

GHGRP ID: 520253

	R Y2011 v1 (mtons) Certified	R Y2012 v1 (mtons) Ready for review	Difference (R Y2012- R Y2011)	% Change (Diff/R Y2011)
Subpart C				
Biogenic Carbon dioxide	0.00	0.00	0.00	N/A
Carbon Dioxide	1,467.30	0.00	-1,467.30	-100%
Methane	0.06	0.00	-0.06	-100%
Nitrous Oxide	0.01	0.00	-0.01	-100%
Subpart D				
Carbon Dioxide	3,564,100.00	3,283,684.60	-280,415.40	-8%
Methane	39.07	36.00	-3.07	-8%
Nitrous Oxide	60.91	56.12	-4.79	-8%
Totals				
CO2e from C-II, SS, and TT	3,585,273.90	3,301,838.10	-283,435.80	-8%
Biogenic CO2 from C-II, SS, and TT	0.00	0.00	0.00	N/A
CO2e from LL-QQ	0.00	0.00	0.00	N/A

Certification Statement:

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Facility Name: O H Hutchings

Facility Identifier: 520010

Facility Reporting Year: 2012

Facility Location:

Address: 9200 Chautauqua Road

City: Miamisburg

State: OH

Postal Code: 45342

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 65826.2

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: Dayton Power and Light Company

Address: 1065 Woodman Drive, Dayton, OH 45432

Percent Ownership Interest: 100

----- Subpart C: General Stationary Fuel Combustion -----

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		159 (Metric Tons)	
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	

Unit Details:

Unit Name : GP1

Unit Type :

Unit Description : Group 1

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 17

Emission Details:

Annual Biogenic CO2 Emissions: 0 (metric tons)

Annual Fossil fuel based CO2 Emissions: 159 (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 CO2 emissions	Total CH4 emissions	Total N2O emissions	Total CH4 emissions CO2e	Total N2O emissions CO2e
159 (Metric Tons)	0 (Metric Tons)	0 (Metric Tons)	0.1 (Metric Tons)	0.1 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		65314.7 (Metric Tons)	
Methane		0.71 (Metric Tons)	
Nitrous Oxide		1.089 (Metric Tons)	

Unit Details:

Unit Name : CS0002
Unit Type : Electricity Generator
Unit Description : CS0002
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): 21318.1
Annual CO2 Emissions Including Biomass (short tons): 23498.9
Annual CO2 Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO2 Concentration Substituted: 7
Operating Hours Stack Gas Flow Rate Substituted: 4
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Bituminous
Annual heat input: 222623 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.22 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.356 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 4.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 110.4 (Metric Tons)

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 9276 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.01 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.001 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0.2 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0.3 (Metric Tons)

Unit Name : CS0003
Unit Type : Electricity Generator
Unit Description : CS0003
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): 37313.8
Annual CO₂ Emissions Including Biomass (short tons): 41131
Annual CO₂ Emissions from Biomass (metric tons): 0

CEMS Details:

Operating Hours CO₂ Concentration Substituted: 6
Operating Hours Stack Gas Flow Rate Substituted: 4
Operating Hours Stack Gas Moisture Substituted: 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 16519 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.02 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.002 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0.4 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0.6 (Metric Tons)

Fuel type: Bituminous
Annual heat input: 386395 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.39 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.618 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 8.2 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 191.6 (Metric Tons)

Unit Name : CS0001
Unit Type : Electricity Generator
Unit Description : CS0001

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): 6682.8**Annual CO₂ Emissions Including Biomass** (short tons): 7366.5**Annual CO₂ Emissions from Biomass** (metric tons): 0**CEMS Details:****Operating Hours CO₂ Concentration Substituted:** 5**Operating Hours Stack Gas Flow Rate Substituted:** 4**Operating Hours Stack Gas Moisture Substituted:** 0**Electricity Fuel Details:****Fuel type:** Bituminous**Annual heat input:** 69731 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0.07 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0.112 (Metric Tons)**CH₄ Emissions CO₂ Equivalent:** 1.5 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 34.7 (Metric Tons)**Fuel type:** Natural Gas (Weighted U.S. Average)**Annual heat input:** 2604 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0 (Metric Tons)**CH₄ Emissions CO₂ Equivalent:** 0 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 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: Frank M Tait Station

Facility Identifier: 520009

Facility Reporting Year: 2012

Facility Location:

Address: 2101 Arbor Blvd

City: Dayton

State: OH

Postal Code: 45439

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 37273.6

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: Dayton Power and Light Company

Address: 1065 Woodman Drive, Dayton, OH 45432

Percent Ownership Interest: 100

Subpart C: General Stationary Fuel Combustion

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		54.9 (Metric Tons)	
Biogenic Carbon dioxide		0 (Metric Tons)	
Methane		0 (Metric Tons)	
Nitrous Oxide		0 (Metric Tons)	

Unit Details:

Unit Name : GP1

Unit Type :

Unit Description : Group 1

Small Unit Aggregation Details:

Highest Maximum Rated Heat Input Capacity: 30

Emission Details:

Annual Biogenic CO2 Emissions: 0 (metric tons)

Annual Fossil fuel based CO2 Emissions: 54.9 (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 determinations : Other (specify)

Other specified frequency of HHV determinations : Per 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
54.9 (Metric Tons)	0 (Metric Tons)	0 (Metric Tons)	0.1 (Metric Tons)	0.1 (Metric Tons)

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		37182.8 (Metric Tons)	
Methane		0.69 (Metric Tons)	
Nitrous Oxide		0.069 (Metric Tons)	

Unit Details:

Unit Name : 2
Unit Type : Electricity Generator
Unit Description : Combustion Turbine 2
Part 75 Methodology : LME (\$75.19(c)(4)(iii))
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): 8697
Annual CO2 Emissions Including Biomass (short tons): 9586.7
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 162475 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.16 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.016 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 3.4 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 5 (Metric Tons)

Fuel type: Distillate Fuel Oil No. 2
Annual heat input: 0 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0 (Metric Tons)

Unit Name : 1
Unit Type : Electricity Generator
Unit Description : Combustion Turbine 1
Part 75 Methodology : LME (\$75.19(c)(4)(iii))
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): 9253.7

Annual CO2 Emissions Including Biomass (short tons): 10200.4

Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 172901 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.17 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.017 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 3.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 5.3 (Metric Tons)

Fuel type: Distillate Fuel Oil No. 2
Annual heat input: 0 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0 (Metric Tons)

Unit Name : 3

Unit Type : Electricity Generator

Unit Description : Combustion Turbine 3

Part 75 Methodology : LME (§75.19(c)(4)(iii))

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): 19232.1

Annual CO2 Emissions Including Biomass (short tons): 21199.5

Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Distillate Fuel Oil No. 2
Annual heat input: 0 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0 (Metric Tons)

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 359306 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.36 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.036 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 7.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 11.2 (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: Tait Electric Generating Station

Facility Identifier: 520827

Facility Reporting Year: 2012

Facility Location:

Address: 2101 Arbor Blvd

City: Dayton

State: OH

Postal Code: 45439

Facility Site Details:

CO2 Equivalent (excluding biogenic, mtons, Subparts C-II and RR-UU): 69835.1

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: DPL Energy, LLC

Address: 1065 Woodman Drive, Dayton, OH 45432

Percent Ownership Interest: 100

Subpart D: Electricity Generation

Gas Information Details

Gas Name	Other Gas Name	Gas Quantity	Own Result?
Carbon Dioxide		69767 (Metric Tons)	
Methane		1.31 (Metric Tons)	
Nitrous Oxide		0.131 (Metric Tons)	

Unit Details:

Unit Name : CT6

Unit Type : Electricity Generator

Unit Description : Combustion Turbine 6

Part 75 Methodology : LME (§75.19(c)(4)(iii))

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): 15812.5**Annual CO2 Emissions Including Biomass** (short tons): 17430.1**Annual CO2 Emissions from Biomass** (metric tons): 0**Electricity Fuel Details:****Fuel type:** Natural Gas (Weighted U.S. Average)**Annual heat input:** 295414 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0.3 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0.03 (Metric Tons)**CH₄ Emissions CO₂ Equivalent:** 6.3 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 9.3 (Metric Tons)**Fuel type:** Distillate Fuel Oil No. 2**Annual heat input:** 0 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0 (Metric Tons)**CH₄ Emissions CO₂ Equivalent:** 0 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 0 (Metric Tons)**Unit Name :** CT5**Unit Type :** Electricity Generator**Unit Description :** Combustion Turbine 5**Part 75 Methodology :** LME (§75.19(c)(4)(iii))**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): 18796.2**Annual CO2 Emissions Including Biomass** (short tons): 20719**Annual CO2 Emissions from Biomass** (metric tons): 0**Electricity Fuel Details:****Fuel type:** Distillate Fuel Oil No. 2**Annual heat input:** 0 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0 (Metric Tons)**CH₄ Emissions CO₂ Equivalent:** 0 (Metric Tons)**N₂O Emissions CO₂ Equivalent:** 0 (Metric Tons)**Fuel type:** Natural Gas (Weighted U.S. Average)**Annual heat input:** 351164 (mmBtu)**Annual CH₄ emissions from combustion of the specified fuel:** 0.35 (Metric Tons)**Annual N₂O emissions from combustion of the specified fuel:** 0.035 (Metric Tons)

Tons) CH₄ Emissions CO₂ Equivalent: 7.4 (Metric Tons) N₂O Emissions CO₂ Equivalent: 10.9 (Metric Tons)
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Unit Name : CT7
Unit Type : Electricity Generator
Unit Description : Combustion Turbine 7
Part 75 Methodology : LME (§75.19(c)(4)(iii))
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): 15832.8
Annual CO2 Emissions Including Biomass (short tons): 17452.5
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

Fuel type: Distillate Fuel Oil No. 2 Annual heat input: 0 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 0 (Metric Tons) N₂O Emissions CO₂ Equivalent: 0 (Metric Tons)
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Fuel type: Natural Gas (Weighted U.S. Average) Annual heat input: 295785 (mmBtu) Annual CH₄ emissions from combustion of the specified fuel: 0.3 (Metric Tons) Annual N₂O emissions from combustion of the specified fuel: 0.03 (Metric Tons) CH₄ Emissions CO₂ Equivalent: 6.3 (Metric Tons) N₂O Emissions CO₂ Equivalent: 9.3 (Metric Tons)
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Unit Name : CT4
Unit Type : Electricity Generator
Unit Description : Combustion Turbine 4
Part 75 Methodology : LME (§75.19(c)(4)(iii))
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): 19325.5
Annual CO2 Emissions Including Biomass (short tons): 21302.5
Annual CO2 Emissions from Biomass (metric tons): 0

Electricity Fuel Details:

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Fuel type: Distillate Fuel Oil No. 2
Annual heat input: 0 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 0 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 0 (Metric Tons)

Fuel type: Natural Gas (Weighted U.S. Average)
Annual heat input: 361064 (mmBtu)
Annual CH₄ emissions from combustion of the specified fuel: 0.36 (Metric Tons)
Annual N₂O emissions from combustion of the specified fuel: 0.036 (Metric Tons)
CH₄ Emissions CO₂ Equivalent: 7.6 (Metric Tons)
N₂O Emissions CO₂ Equivalent: 11.2 (Metric Tons)

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Commission of Ohio Docketing Information System on

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in

Case No(s). 13-0871-EL-ECP

Summary: Application In the matter of the Dayton Power and Light Company for a notice of Filing Federal Greenhouse Gas Reports electronically filed by Eric R Brown on behalf of The Dayton Power and Light Company