



AES-01

AIR EMISSION STATEMENT CERTIFICATION

State Form 52052 (3-03)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Instructions:

- This is a required form for each air emission statement as well as any modifications.
- The certification supplied with a source's permit may be used in lieu of this form
- "Responsible Official" has the same meaning as defined in 326 IAC (34), and is usually designated in the General Information section of the permit.

IDEM - Office of Air Quality
 Technical Support and Modeling Section - Mail Code 61-51
 100 N. Senate Avenue
 Indianapolis, IN 46204-2251
 Telephone: (317) 233-0178 or
 Toll Free: 1-800-451-6027 x30178 (within Indiana)
<http://www.emissions.IN.gov/>

Part A: Contact Information

Part A is intended to provide basic information about the company submitting an Air Emission Statement and information on the Air Emission Statement preparer in case there is a question about the report.

1. Company Name: Duke Energy Indiana LLC. - Wheatland Gen. Station		2. Source ID: 1808300041	
3. Mailing Address: 480 North Hall Road			
City: Wheatland	State: IN	ZIP Code: 47597	
4. Name of Emission Statement Preparer: Tena		Hopkins	
5. Title of Emission Statement Preparer (optional):		Lead EHS Professional	
6. Telephone Number: (317)-838-1462		7. Facsimile Number (optional):	
8. Electronic Mail Address (optional): tena.hopkins@duke-energy.com			

Part B: Emissions Summary

Part B is intended to aid in the review of data and to collect information about billable hazardous air pollutants

Emissions Statement Pollutants (Plant Wide)	Tons Emitted
Carbon Monoxide (CO)	24.4400
Condensable Particulate Matter (PM-CON)	2.6728
Filterable Particulate Matter <10 Microns (PM10-FIL)	1.0579
Nitrogen Dioxide (NO2)	103.2900
Primary PM2.5, Filterable Portion Only	1.0579
Sulfur Dioxide (SO2)	0.3400
Volatile Organic Compounds (VOC)	1.2027
Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	Tons Emitted
No Billable Hazardous Air Pollutants reported!	0.0000

Received
 JUN 24 2024
 State of Indiana

Part C: Signature of Responsible Official

I hereby certify that the information in this emission statement is accurate based on reasonable estimates using data available to the preparer and on a reasonable inquiry into records and persons responsible for the operation of the source, and is true, accurate, and complete.

Jeff Hamilton

Name of Responsible Official (typed or printed)

Signature of Responsible Official

General Manager III Edwardsport

Title of Responsible Official

6/20/2024

Date (month, day, year)

Facility Emission Detail

Duke Energy Indiana LLC. - Wheatland Ge

Plant ID:1808300041

Report for 2023

Location: 480 N Hall Rd,Wheatland,47597

NAICS: 221112 Fossil Fuel Electric Power Generation

Facility Emissions Overview		
Pollutant	Pollutant Description	Emissions (Tons)
CO	Carbon Monoxide	24.44
NOX	Nitrogen Oxides	103.29
PM-CON	Primary PM Condensable Only (All Less Than 1 Micron)	2.6726
PM10-FIL	Primary PM10, Filterable Portion Only	1.0579
PM25-FIL	Primary PM2.5, Filterable Portion Only	1.0579
SO2	Sulfur Dioxide	0.34
VOC	Volatile Organic Compounds	1.2027

Group ID: 001		Group Description: GENERATING UNIT EU01	
Percent Quarterly Throughput			
Winter: 1	Spring: 0	Summer: 49	Fall: 50
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760
Process ID: 01		Process Description: TURBINE GENERATOR - GAS	
SCC:	20100201	Stack:	1
	Electric Generation	Description:	STACK S001 FOR UNIT EU01
	Natural Gas	Stack Type:	Vertical
	Turbine	Height:	55
Heat Content:	1	Diameter:	16.5599994659424
Sulfur Content:	0	Temperature:	1003
Ash Content:	0	Velocity:	149.70
Throughput:	310.97 Million Cubic Feet	Gas Flow:	1934403
Material:	Natural Gas	Input/Output:	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	CEMS - Continuous Emission Monitoring System	0	0	9.51
NOX	CEMS - Continuous Emission Monitoring System	0	0	27.92
PM10-FIL	EPA Emission Factor	1.9	0	0.2954
PM25-FIL	EPA Emission Factor	1.9	0	0.2954
VOC	State/Local Emission Factor	2.16	0	0.3358
PM-CON	EPA Emission Factor	4.8	0	0.7463
SO2	CEMS - Continuous Emission Monitoring System	0	0	0.09

Facility Emission Detail

Duke Energy Indiana LLC. - Wheatland Ge

Plant ID:1808300041

Report for 2023

Location: 480 N Hall Rd,Wheatland,47597

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 002		Group Description:GENERATING UNIT EU02		
Percent Quarterly Throughput				
Winter: 1	Spring: 11	Summer: 44	Fall: 44	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: TURBINE GENERATOR - GAS		
SCC:	20100201	Stack:	2	
	Electric Generation	Description:	STACK S-002 FOR UNIT EU02	
	Natural Gas	Stack Type:	Vertical	
	Turbine	Height:	55	
Heat Content:	1	Diameter:	16.5599994659424	
Sulfur Content:	0	Temperature:	1003	
Ash Content:	0	Velocity:	149.70	
Throughput:	352.3439 Million Cubic Feet	Gas Flow:	1934403	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	CEMS - Continuous Emission Monitoring System	0	0	6.34
NOX	CEMS - Continuous Emission Monitoring System	0	0	33.23
PM10-FIL	EPA Emission Factor	1.9	0	0.3347
PM25-FIL	EPA Emission Factor	1.9	0	0.3347
VOC	State/Local Emission Factor	2.16	0	0.3805
PM-CON	EPA Emission Factor	4.8	0	0.8456
SO2	CEMS - Continuous Emission Monitoring System	0	0	0.11

Facility Emission Detail

Duke Energy Indiana LLC. - Wheatland Ge

Plant ID:1808300041

Report for 2023

Location: 480 N Hall Rd,Wheatland,47597

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 003		Group Description: GENERATING UNIT EU03		
Percent Quarterly Throughput				
Winter: 2	Spring: 11	Summer: 47	Fall: 40	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: TURBINE GENERATOR - GAS		
SCC:	20100201	Stack:	3	
	Electric Generation	Description:	STACK S-003 FOR UNIT EU03	
	Natural Gas	Stack Type:	Vertical	
	Turbine	Height:	55	
Heat Content:	1	Diameter:	16.5599994659424	
Sulfur Content:	0	Temperature:	1003	
Ash Content:	0	Velocity:	149.70	
Throughput:	355.176 Million Cubic Feet	Gas Flow:	1934403	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	CEMS - Continuous Emission Monitoring System	0	0	7.19
NOX	CEMS - Continuous Emission Monitoring System	0	0	34.61
PM10-FIL	EPA Emission Factor	1.9	0	0.3374
PM25-FIL	EPA Emission Factor	1.9	0	0.3374
VOC	State/Local Emission Factor	2.16	0	0.3836
PM-CON	EPA Emission Factor	4.8	0	0.8524
SO2	CEMS - Continuous Emission Monitoring System	0	0	0.11

Facility Emission Detail

Duke Energy Indiana LLC. - Wheatland Ge

Plant ID:1808300041

Report for 2023

Location: 480 N Hall Rd,Wheatland,47597

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 004		Group Description:GENERATING UNIT EU04		
Percent Quarterly Throughput				
Winter: 11	Spring: 15	Summer: 58	Fall: 16	
Days Per Week: 7	Weeks Per Year: 52	Hours Per Day: 24	Hours Per Year: 8760	
Process ID: 01		Process Description: TURBINE GENERATOR - GAS		
SCC:	20100201	Stack:	4	
	Electric Generation	Description:	STACK S-004 FOR UNIT EU04	
	Natural Gas	Stack Type:	Vertical	
	Turbine	Height:	55	
Heat Content:	1	Diameter:	16.5599994659424	
Sulfur Content:	0	Temperature:	1003	
Ash Content:	0	Velocity:	149.70	
Throughput:	95.079 Million Cubic Feet	Gas Flow:	1934403	
Material:	Natural Gas	Input/Output:	Process Material Used (Input)	
Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
CO	CEMS - Continuous Emission Monitoring System	0	0	1.4
NOX	CEMS - Continuous Emission Monitoring System	0	0	7.53
PM10-FIL	EPA Emission Factor	1.9	0	0.0903
PM25-FIL	EPA Emission Factor	1.9	0	0.0903
VOC	State/Local Emission Factor	2.16	0	0.1027
PM-CON	EPA Emission Factor	4.8	0	0.2282
SO2	CEMS - Continuous Emission Monitoring System	0	0	0.03