AES-01
AIR EMISSION STATEMENT CERTIFICATION
State Form 52052 (3-05)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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/

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.*

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 - Gibson Generating Station	2. Source ID:	1805100013
3. Mailing Address:			
City:		State:	ZIP Code:
4. Name of Emission Statement Preparer:	Patrick		Coughlin
5. Title of Emission Statement Preparer *(optional)*:	Env. Specialist		
6. Telephone Number:	(317)-838-2108	7. Facsimile Number: *(optional)*:	
8. Electronic Mail Address *(optional)*:	patrick.coughlin@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**
Ammonia	2.0567
Carbon Monoxide (CO)	971.5481
Condensable Particulate Matter (PM-CON)	1005.7024
Filterable Particulate Matter <10 Microns (PM10-FIL)	196.8099
Lead (PB)	0.0327
Nitrogen Dioxide (NO2)	3571.2000
Primary PM2.5, Filterable Portion Only	119.0658
Sulfur Dioxide (SO2)	4513.6400
Volatile Organic Compounds (VOC)	116.1029

Recieved
JUN 24 2024
State of Indiana

Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide)	**Tons Emitted**
Hydrochloric Acid (CAS# 7647010)	83.4100
Hydrofluoric Acid (CAS# 7664393)	7.5900
Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)	0.0093

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 prepares and on a reasonable inquiry into records and persons responsible for the operation of the source, and is true, accurate, and complete.

Chris Roeder	GM III Gibson Generating Station
Name of Responsible Official *(typed or printed)*	Title of Responsible Official
Chris Roeder	6/17/24
Signature of Responsible Official	Date *(month, day, year)*

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Facility Emissions Overview		
Pollutant	**Pollutant Description**	**Emissions (Tons)**
NH3	Ammonia	2.0567
CO	Carbon Monoxide	971.5481
7439921	Lead	0.0327
NOX	Nitrogen Oxides	3571.2
PM-CON	Primary PM Condensible Only (All Less Than 1 Micron)	1005.7024
PM10-FIL	Primary PM10, Filterable Portion Only	196.8099
PM25-FIL	Primary PM2.5, Filterable Portion Only	119.0658
SO2	Sulfur Dioxide	4513.64
VOC	Volatile Organic Compounds	116.1029

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 001		**Group Description:** BOILER 1	
Percent Quarterly Throughput			
Winter: 23	**Spring:** 24	**Summer:** 27	**Fall:** 26
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 7671
Process ID: 01		**Process Description:** BOILER 1 PC DB	
SCC:	10100202	**Stack:**	1
	Electric Generation	**Description:**	BOILERS 1 & 2
	Bituminous/Subbituminous Coal	**Stack Type:**	Vertical
	Pulverized Coal: Dry Bottom (Bituminous Coal)	**Height:**	620
Heat Content:	22.92	**Diameter:**	25
Sulfur Content:	2.79	**Temperature:**	130
Ash Content:	9.5	**Velocity:**	70
Throughput:	1137843.21 Tons	**Gas Flow:**	2061670
Material:	Bituminous Coal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.89	46.43
PM25-FIL	Engineering Judgement	0	99.87	33.35
7647010	Engineering Judgement	0	95	24.77
7664393	Engineering Judgement	0	95	2.25
7439921	Engineering Judgement	0	99	0.0096
CO	EPA Emission Factor	0.5	0	284.4608
NH3	EPA Emission Factor	0.00057	0	0.3214
VOC	EPA Emission Factor	0.06	0	34.1353
PM-CON	State/Local Emission Factor	0.52	0	295.8392
7439976	CEMS - Continuous Emission Monitoring System	0	98	0.0014
SO2	CEMS - Continuous Emission Monitoring System	0	98.57	931.13
NOX	CEMS - Continuous Emission Monitoring System	0	92.44	1021.62

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 02		**Process Description:** BOILER 1 IGNITION FUEL	
SCC:	10100501	**Stack:**	1
	Electric Generation	**Description:**	BOILERS 1 & 2
	Distillate Oil	**Stack Type:**	Vertical
	Grades 1 and 2 Oil	**Height:**	620
Heat Content:	137	**Diameter:**	25
Sulfur Content:	0	**Temperature:**	130
Ash Content:	0	**Velocity:**	70
Throughput:	598.5 1000 Gallons	**Gas Flow:**	2061670
Material:	Distillate Oil (No. 1 & 2)	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	Engineering Judgement	0	0	0.0002
CO	EPA Emission Factor	5	0	1.4962
NH3	EPA Emission Factor	0.8	0	0.2394
PM-CON	EPA Emission Factor	1.3	0	0.3890
VOC	EPA Emission Factor	0.2	0	0.0598
NOX	CEMS - Continuous Emission Monitoring System	0	0	0
PM10-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
PM25-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
SO2	CEMS - Continuous Emission Monitoring System	0	0	0
7439976	CEMS - Continuous Emission Monitoring System	0	0	0

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 002		**Group Description:** BOILER 2	
Percent Quarterly Throughput			
Winter: 16	**Spring:** 26	**Summer:** 36	**Fall:** 22
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 6114
Process ID: 01		**Process Description:** BOILER 2 PC DB	
SCC:	10100202	**Stack:**	1
	Electric Generation	**Description:**	BOILERS 1 & 2
	Bituminous/Subbituminous Coal	**Stack Type:**	Vertical
	Pulverized Coal: Dry Bottom (Bituminous Coal)	**Height:**	620
Heat Content:	22.96	**Diameter:**	25
Sulfur Content:	2.85	**Temperature:**	130
Ash Content:	9.38	**Velocity:**	70
Throughput:	923625.31 Tons	**Gas Flow:**	2061670
Material:	Bituminous Coal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7647010	Engineering Judgement	0	95	20.15
7664393	Engineering Judgement	0	95	1.83
PM10-FIL	Engineering Judgement	0	99.93	22.66
PM25-FIL	Engineering Judgement	0	99.93	16.27
7439921	Engineering Judgement	0	99	0.0053
CO	EPA Emission Factor	0.5	0	230.9063
NH3	EPA Emission Factor	0.00057	0	0.2609
VOC	EPA Emission Factor	0.06	0	27.7088
PM-CON	State/Local Emission Factor	0.52	0	240.1426
7439976	CEMS - Continuous Emission Monitoring System	0	95	0.0021
SO2	CEMS - Continuous Emission Monitoring System	0	98.36	879.37
NOX	CEMS - Continuous Emission Monitoring System	0	93	760.12

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 02		**Process Description:** BOILER 2 IGNITION FUEL	
SCC:	10100501	**Stack:**	1
	Electric Generation	**Description:**	BOILERS 1 & 2
	Distillate Oil	**Stack Type:**	Vertical
	Grades 1 and 2 Oil	**Height:**	620
Heat Content:	137	**Diameter:**	25
Sulfur Content:	0	**Temperature:**	130
Ash Content:	0	**Velocity:**	70
Throughput:	456.12 1000 Gallons	**Gas Flow:**	2061670
Material:	Distillate Oil (No. 1 & 2)	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	Engineering Judgement	0	0	0.0002
CO	EPA Emission Factor	5	0	1.1403
NH3	EPA Emission Factor	0.8	0	0.1824
PM-CON	EPA Emission Factor	1.3	0	0.2965
VOC	EPA Emission Factor	0.2	0	0.0456
NOX	CEMS - Continuous Emission Monitoring System	0	0	0
PM10-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
PM25-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
SO2	CEMS - Continuous Emission Monitoring System	0	0	0
7439976	CEMS - Continuous Emission Monitoring System	0	0	0

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 003		**Group Description:** BOILER 3	
Percent Quarterly Throughput			
Winter: 30	**Spring:** 2	**Summer:** 43	**Fall:** 25
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 3391
Process ID: 01		**Process Description:** BOILER 3 PC DB	
SCC:	10100202	**Stack:**	2
	Electric Generation	**Description:**	BOILERS 3
	Bituminous/Subbituminous Coal	**Stack Type:**	Vertical
	Pulverized Coal: Dry Bottom (Bituminous Coal)	**Height:**	620
Heat Content:	22.67	**Diameter:**	25
Sulfur Content:	2.71	**Temperature:**	130
Ash Content:	9.56	**Velocity:**	74
Throughput:	477366.64 Tons	**Gas Flow:**	2179480
Material:	Bituminous Coal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM25-FIL	Engineering Judgement	0	99	20.51
7439921	Engineering Judgement	0	99	0.0055
7664393	Engineering Judgement	0	97	0.94
PM10-FIL	Engineering Judgement	0	99	28.55
7647010	Material Balance	0	97	10.28
CO	EPA Emission Factor	0.5	0	119.3417
NH3	EPA Emission Factor	0.00057	0	0.1349
VOC	EPA Emission Factor	0.06	0	14.3210
PM-CON	State/Local Emission Factor	0.52	0	124.1153
SO2	CEMS - Continuous Emission Monitoring System	0	97	430.81
NOX	CEMS - Continuous Emission Monitoring System	0	90	463.45
7439976	CEMS - Continuous Emission Monitoring System	0	97	0.0015

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 02		**Process Description:** BOILER 3 IGNITION FUEL	
SCC:	10100501	**Stack:**	2
	Electric Generation	**Description:**	BOILERS 3
	Distillate Oil	**Stack Type:**	Vertical
	Grades 1 and 2 Oil	**Height:**	620
Heat Content:	137	**Diameter:**	25
Sulfur Content:	0	**Temperature:**	130
Ash Content:	0	**Velocity:**	74
Throughput:	359.1 1000 Gallons	**Gas Flow:**	2179480
Material:	Distillate Oil (No. 1 & 2)	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	Engineering Judgement	0	0	0.0001
CO	EPA Emission Factor	5	0	0.8978
NH3	EPA Emission Factor	0.8	0	0.1436
PM-CON	EPA Emission Factor	1.3	0	0.2334
VOC	EPA Emission Factor	0.2	0	0.0359
NOX	CEMS - Continuous Emission Monitoring System	0	0	0
PM10-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
PM25-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
SO2	CEMS - Continuous Emission Monitoring System	0	0	0
7439976	CEMS - Continuous Emission Monitoring System	0	0	0

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 004		**Group Description:** BOILER 4	
Percent Quarterly Throughput			
Winter: 22	**Spring:** 1	**Summer:** 28	**Fall:** 49
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 4127
Process ID: 01		**Process Description:** BOILER 4 PC DB	
SCC:	10100202	**Stack:**	4
	Electric Generation	**Description:**	Boiler 4
	Bituminous/Subbituminous Coal	**Stack Type:**	Vertical
	Pulverized Coal: Dry Bottom (Bituminous Coal)	**Height:**	500
Heat Content:	22.87	**Diameter:**	23.5
Sulfur Content:	2.76	**Temperature:**	130
Ash Content:	9.48	**Velocity:**	70
Throughput:	590977.73 Tons	**Gas Flow:**	1821692
Material:	Bituminous Coal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7647010	Engineering Judgement	0	95	12.84
7664393	Engineering Judgement	0	95	1.17
PM10-FIL	Engineering Judgement	0	99	19.28
PM25-FIL	Engineering Judgement	0	99	13.85
7439921	Engineering Judgement	0	99	0.0042
CO	EPA Emission Factor	0.5	0	147.7444
NH3	EPA Emission Factor	0.00057	0	0.1670
VOC	EPA Emission Factor	0.06	0	17.7293
PM-CON	State/Local Emission Factor	0.52	0	153.6542
SO2	CEMS - Continuous Emission Monitoring System	0	95	1081.09
7439976	CEMS - Continuous Emission Monitoring System	0	0	0.0015
NOX	CEMS - Continuous Emission Monitoring System	0	90	458.79

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 02		**Process Description:** BOILER 4 IGNITION FUEL	
SCC:	10100501	**Stack:**	4
	Electric Generation	**Description:**	Boiler 4
	Distillate Oil	**Stack Type:**	Vertical
	Grades 1 and 2 Oil	**Height:**	500
Heat Content:	137	**Diameter:**	23.5
Sulfur Content:	0	**Temperature:**	130
Ash Content:	0	**Velocity:**	70
Throughput:	454.44 1000 Gallons	**Gas Flow:**	1821692
Material:	Distillate Oil (No. 1 & 2)	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	Engineering Judgement	0	0	0.0002
CO	EPA Emission Factor	5	0	1.1361
NH3	EPA Emission Factor	0.8	0	0.1818
PM-CON	EPA Emission Factor	1.3	0	0.2954
VOC	EPA Emission Factor	0.2	0	0.0454
NOX	CEMS - Continuous Emission Monitoring System	0	0	0
PM10-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
PM25-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
SO2	CEMS - Continuous Emission Monitoring System	0	0	0
7439976	CEMS - Continuous Emission Monitoring System	0	0	0

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 005		**Group Description:** BOILER 5	
Percent Quarterly Throughput			
Winter: 17	**Spring:** 28	**Summer:** 28	**Fall:** 27
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 5960
Process ID: 01		**Process Description:** BOILER 5 PC DB	
SCC:	10100202	**Stack:**	3
	Electric Generation	**Description:**	BOILER 5
	Bituminous/Subbituminous Coal	**Stack Type:**	Vertical
	Pulverized Coal: Dry Bottom (Bituminous Coal)	**Height:**	500
Heat Content:	22.09	**Diameter:**	23.5
Sulfur Content:	1.98	**Temperature:**	145
Ash Content:	9.37	**Velocity:**	70
Throughput:	732238 Tons	**Gas Flow:**	1827000
Material:	Bituminous Coal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	Engineering Judgement	0	99	0.0072
7647010	Engineering Judgement	0	90	15.37
7664393	Engineering Judgement	0	90	1.4
PM10-FIL	Engineering Judgement	0	0	34.61
PM25-FIL	Engineering Judgement	0	0	24.86
CO	EPA Emission Factor	0.5	0	183.0595
NH3	EPA Emission Factor	0.00057	0	0.2069
VOC	EPA Emission Factor	0.06	0	21.9671
PM-CON	State/Local Emission Factor	0.52	0	190.3819
7439976	CEMS - Continuous Emission Monitoring System	0	95	0.0028
SO2	CEMS - Continuous Emission Monitoring System	0	81.99	1191.24
NOX	CEMS - Continuous Emission Monitoring System	0	89	867.22

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 02		**Process Description:** BOILER 5 IGNITION FUEL	
SCC:	10100501	**Stack:**	3
	Electric Generation	**Description:**	BOILER 5
	Distillate Oil	**Stack Type:**	Vertical
	Grades 1 and 2 Oil	**Height:**	500
Heat Content:	137	**Diameter:**	23.5
Sulfur Content:	0	**Temperature:**	145
Ash Content:	0	**Velocity:**	70
Throughput:	546 1000 Gallons	**Gas Flow:**	1827000
Material:	Distillate Oil (No. 1 & 2)	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
7439921	Engineering Judgement	0	0	0.0002
CO	EPA Emission Factor	5	0	1.365
NH3	EPA Emission Factor	0.8	0	0.2184
PM-CON	EPA Emission Factor	1.3	0	0.3549
VOC	EPA Emission Factor	0.2	0	0.0546
NOX	CEMS - Continuous Emission Monitoring System	0	0	0
PM10-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
PM25-FIL	CEMS - Continuous Emission Monitoring System	0	0	0
SO2	CEMS - Continuous Emission Monitoring System	0	0	0
7439976	CEMS - Continuous Emission Monitoring System	0	0	0

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 006		**Group Description:** ROADS - FUGIVE DUST	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 8760
Process ID: 01		**Process Description:** Paved Roads	
SCC:	30501050	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Coal Mining, Cleaning, and Material Handling (See 305310)	**Stack Type:**	Fugitive
	Vehicle Traffic: Light/Medium Vehicles	**Height:**	0
Heat Content:	0	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	92548 Miles	**Gas Flow:**	0
Material:	Vehicle	**Input/Output:**	Process Material Produced (Outut)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	90	0.08
PM25-FIL	Engineering Judgement	0	90	0.02

Process ID: 02		**Process Description:** Unpaved Roads	
SCC:	30501050	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Coal Mining, Cleaning, and Material Handling (See 305310)	**Stack Type:**	Fugitive
	Vehicle Traffic: Light/Medium Vehicles	**Height:**	0
Heat Content:	0	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	222061 Miles	**Gas Flow:**	0
Material:	Vehicle	**Input/Output:**	Process Material Produced (Outut)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	90	29.25
PM25-FIL	Engineering Judgement	0	90	2.92

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Group ID: 007		**Group Description:** COAL AND LIMESTONE PILE - FUGITIVE DUST	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 8760
Process ID: 01		**Process Description:** COAL AND LIMESTONE PILE	
SCC:	30501049	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Coal Mining, Cleaning, and Material Handling (See 305310)	**Stack Type:**	Fugitive
	Wind Erosion: Exposed Areas	**Height:**	0
Heat Content:	1	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	47.72 Acre-Years	**Gas Flow:**	0
Material:	Exposed Area	**Input/Output:**	Process Material Existing

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	EPA Emission Factor	380	0	9.0668
PM25-FIL	EPA Emission Factor	112	0	2.6723

Group ID: 008		**Group Description:** MATERIAL HNDLG - FUGITIVE	
Percent Quarterly Throughput			
Winter: 25	**Spring:** 25	**Summer:** 25	**Fall:** 25
Days Per Week: 7	**Weeks Per Year:** 52	**Hours Per Day:** 24	**Hours Per Year:** 8760
Process ID: 01		**Process Description:** Coal Handling	
SCC:	30510103	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Bulk Materials Conveyors	**Stack Type:**	Fugitive
	Coal	**Height:**	0
Heat Content:	1	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	3862051 Tons	**Gas Flow:**	0
Material:	Coal	**Input/Output:**	Process Material Used (Input)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.00108	0	2.0855
PM25-FIL	Site-Specific Emission Factor	0.00016	0	0.3090

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 02		**Process Description:** Limestone Handling	
SCC:	30510105	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Bulk Materials Conveyors	**Stack Type:**	Fugitive
	Limestone	**Height:**	0
Heat Content:	1	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	329683 Tons	**Gas Flow:**	0
Material:	Limestone	**Input/Output:**	Process Material Produced (Outut)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	0	0.42
PM25-FIL	Engineering Judgement	0	0	0.06

Process ID: 03		**Process Description:** Gypsum Handling	
SCC:	30510104	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Bulk Materials Conveyors	**Stack Type:**	Fugitive
	Coke	**Height:**	0
Heat Content:	1	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	409214 Tons	**Gas Flow:**	0
Material:	Material	**Input/Output:**	Process Material Produced (Outut)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Site-Specific Emission Factor	0.00077	0	0.1575
PM25-FIL	Site-Specific Emission Factor	0.00012	0	0.0246

Facility Emission Detail

Duke Energy Indiana LLC - Gibson Genera

Plant ID:1805100013 **Report for 2023**

Location: 1097 N CR 950 W,Owensville,47665

NAICS: 221112 Fossil Fuel Electric Power Generation

Process ID: 04		**Process Description:** Dry Ash Handling	
SCC:	30588801	**Stack:**	0
	Mineral Products	**Description:**	No Stack Associated
	Fugitive Emissions	**Stack Type:**	Fugitive
	Specify in Comments Field	**Height:**	0
Heat Content:	1	**Diameter:**	0
Sulfur Content:	0	**Temperature:**	0
Ash Content:	0	**Velocity:**	0
Throughput:	285058.77 Tons	**Gas Flow:**	0
Material:	Product	**Input/Output:**	Process Material Produced (Outut)

Pollutant	Emission Method	Emission Factor	Overall Ctrl Efficiency	Emissions(Tons)
PM10-FIL	Engineering Judgement	0	99.9	4.22
PM25-FIL	Engineering Judgement	0	99.9	4.22