



P.O. Box 209  
Evansville, IN 47702-0209

June 27, 2024

Certified Mail 7021 0950 0000 6279 6642

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-50 IGCN 1003  
Indianapolis, Indiana 46204-2251

Re: ***Blackfoot Power Generating Station***  
***Title V Annual Emission Statement***  
***Source ID No. 125-00046***

To Whom It May Concern:

Please find enclosed the 2023 Annual Emission Statement (AES) for the Blackfoot Power Generating Station located at 3726 East State Road 64, Winslow, Indiana. This information is being submitted in accordance with Condition C.16 of Title V Permit No. 125-46452-00046 issued to Blackfoot Power Generating Station. Attachments include a printout of data entered into the Emissions Inventory Tracking System (EMITS) and the signed certification form for the 2023 AES Submittal.

If you have any questions or require additional information, please contact me at (812) 491-4185 or Ms. Emily Stewart of Trinity Consultants at (317) 451-8102.

Sincerely,

A handwritten signature in blue ink that reads "Gregory Dick".

Gregory Dick  
Manager, Environmental Operations  
Power Generation

Enclosures



AES-01

**AIR EMISSION STATEMENT CERTIFICATION**

State Form 52052 (3-05)



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: Blackfoot Power Generating Station                    |           | 2. Source ID: 1812500046        |  |
| 3. Mailing Address: 3726 E SR 64                                       |           |                                 |  |
| City: Winslow                                                          | State: IN | ZIP Code: 47598                 |  |
| 4. Name of Emission Statement Preparer: Emily Stewart                  |           |                                 |  |
| 5. Title of Emission Statement Preparer (optional): Senior Consultant  |           |                                 |  |
| 6. Telephone Number: (317)-451-8100                                    |           | 7. Facsimile Number (optional): |  |
| 8. Electronic Mail Address (optional): estewart@trinityconsultants.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)                                          | 8.5296       |
| Condensable Particulate Matter (PM-CON)                       | 2.1172       |
| Filterable Particulate Matter <10 Microns (PM10-FIL)          | 2.1172       |
| Nitrogen Dioxide (NO2)                                        | 0.9434       |
| Primary PM2.5, Filterable Portion Only                        | 2.1172       |
| Sulfur Dioxide (SO2)                                          | 0.6973       |
| Volatile Organic Compounds (VOC)                              | 0.2523       |
| Part 70 Permit Billable Hazardous Air Pollutants (Plant Wide) | Tons Emitted |
| Hydrochloric Acid (CAS# 7647010)                              | 0.3558       |
| Mercury and Mercury Compounds (CAS#7439976 and TRI ID N458)   | 0.0000       |
| Methyl Chloroform or 1,1,1-Trichloroethane (CAS# 71556)       | 0.0000       |
| Methylene Chloride or Dichloromethane (CAS# 75092)            | 0.1337       |
| Tetrachloroethylene (Perc) (CAS#127184)                       | 0.1437       |

**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.

F. SHANE BRADFORD  
 Name of Responsible Official (typed or printed)  
F. Shane Bradford  
 Signature of Responsible Official

VP- Power GENERATION OPS  
 Title of Responsible Official  
6-27-24  
 Date (month, day, year)

**Facility Emission Detail****Blackfoot Power Generating Station**

Plant ID:1812500046

Report for 2023

Location: 3726 E SR 64,Winslow,47598

NAICS: 221112 Fossil Fuel Electric Power Generation

| <b>Facility Emissions Overview</b> |                                                      |                         |
|------------------------------------|------------------------------------------------------|-------------------------|
| <b>Pollutant</b>                   | <b>Pollutant Description</b>                         | <b>Emissions (Tons)</b> |
| CO                                 | Carbon Monoxide                                      | 8.5296                  |
| NOX                                | Nitrogen Oxides                                      | 0.9434                  |
| PM-CON                             | Primary PM Condensable Only (All Less Than 1 Micron) | 2.1172                  |
| PM10-FIL                           | Primary PM10, Filterable Portion Only                | 2.1172                  |
| PM25-FIL                           | Primary PM2.5, Filterable Portion Only               | 2.1172                  |
| SO2                                | Sulfur Dioxide                                       | 0.6973                  |
| VOC                                | Volatile Organic Compounds                           | 0.2523                  |

# Facility Emission Detail

## Blackfoot Power Generating Station

Plant ID:1812500046

Report for 2023

Location: 3726 E SR 64,Winslow,47598

NAICS: 221112 Fossil Fuel Electric Power Generation

| <b>Group ID: 001</b>                |                           | <b>Group Description:ICE Generator</b>    |                                |                        |
|-------------------------------------|---------------------------|-------------------------------------------|--------------------------------|------------------------|
| <b>Percent Quarterly Throughput</b> |                           |                                           |                                |                        |
| <b>Winter: 17</b>                   | <b>Spring: 32</b>         | <b>Summer: 25</b>                         | <b>Fall: 25</b>                |                        |
| <b>Days Per Week: 7</b>             | <b>Weeks Per Year: 52</b> | <b>Hours Per Day: 24</b>                  | <b>Hours Per Year: 4232</b>    |                        |
| <b>Process ID: 1</b>                |                           | <b>Process Description: ICE Generator</b> |                                |                        |
| <b>SCC:</b>                         | 20100801                  | <b>Stack:</b>                             | 1                              |                        |
|                                     | Electric Generation       | <b>Description:</b>                       | Stack for Generator E1         |                        |
|                                     | Landfill Gas              | <b>Stack Type:</b>                        | Vertical                       |                        |
|                                     | Turbine                   | <b>Height:</b>                            | 40                             |                        |
| <b>Heat Content:</b>                | 600                       | <b>Diameter:</b>                          | 2.1                            |                        |
| <b>Sulfur Content:</b>              | 0                         | <b>Temperature:</b>                       | 910                            |                        |
| <b>Ash Content:</b>                 | 0                         | <b>Velocity:</b>                          | 58                             |                        |
| <b>Throughput:</b>                  | 93 Million Cubic Feet     | <b>Gas Flow:</b>                          | 12063                          |                        |
| <b>Material:</b>                    | Landfill Gas              | <b>Input/Output:</b>                      | Process Material Used (Input)  |                        |
| <b>Pollutant</b>                    | <b>Emission Method</b>    | <b>Emission Factor</b>                    | <b>Overall Ctrl Efficiency</b> | <b>Emissions(Tons)</b> |
| NOX                                 | Engineering Judgement     | 0                                         | 50                             | 0.3517                 |
| CO                                  | Engineering Judgement     | 0                                         | 50                             | 3.8376                 |
| SO2                                 | Engineering Judgement     | 0                                         | 0                              | 0.367                  |
| VOC                                 | Engineering Judgement     | 0                                         | 0                              | 0.1835                 |
| PM-CON                              | Engineering Judgement     | 0                                         | 0                              | 1.1144                 |
| PM10-FIL                            | Engineering Judgement     | 0                                         | 0                              | 1.1144                 |
| PM25-FIL                            | Engineering Judgement     | 0                                         | 0                              | 1.1144                 |
| 7439976                             | Engineering Judgement     | 0                                         | 0                              | 0.0000                 |
| 7647010                             | Engineering Judgement     | 0                                         | 0                              | 0.1873                 |
| 75092                               | Engineering Judgement     | 0                                         | 0                              | 0                      |
| 127184                              | Engineering Judgement     | 0                                         | 0                              | 0.0756                 |
| 71556                               | Engineering Judgement     | 0                                         | 0                              | 0.0000                 |



# Facility Emission Detail

## Blackfoot Power Generating Station

Plant ID:1812500046

Report for 2023

Location: 3726 E SR 64,Winslow,47598

NAICS: 221112 Fossil Fuel Electric Power Generation

| <b>Group ID:</b> 002                |                           | <b>Group Description:</b> ICE Generator   |                               |                 |
|-------------------------------------|---------------------------|-------------------------------------------|-------------------------------|-----------------|
| <b>Percent Quarterly Throughput</b> |                           |                                           |                               |                 |
| <b>Winter:</b> 35                   | <b>Spring:</b> 13         | <b>Summer:</b> 25                         | <b>Fall:</b> 27               |                 |
| <b>Days Per Week:</b> 7             | <b>Weeks Per Year:</b> 52 | <b>Hours Per Day:</b> 24                  | <b>Hours Per Year:</b> 3850   |                 |
| <b>Process ID:</b> 2                |                           | <b>Process Description:</b> ICE Generator |                               |                 |
| <b>SCC:</b>                         | 20100801                  | <b>Stack:</b>                             | 2                             |                 |
|                                     | Electric Generation       | <b>Description:</b>                       | Stack for Generator E2        |                 |
|                                     | Landfill Gas              | <b>Stack Type:</b>                        | Vertical                      |                 |
|                                     | Turbine                   | <b>Height:</b>                            | 40                            |                 |
| <b>Heat Content:</b>                | 600                       | <b>Diameter:</b>                          | 2.1                           |                 |
| <b>Sulfur Content:</b>              | 0                         | <b>Temperature:</b>                       | 910                           |                 |
| <b>Ash Content:</b>                 | 0                         | <b>Velocity:</b>                          | 58                            |                 |
| <b>Throughput:</b>                  | 84 Million Cubic Feet     | <b>Gas Flow:</b>                          | 12063                         |                 |
| <b>Material:</b>                    | Landfill Gas              | <b>Input/Output:</b>                      | Process Material Used (Input) |                 |
| Pollutant                           | Emission Method           | Emission Factor                           | Overall Ctrl Efficiency       | Emissions(Tons) |
| CO                                  | Engineering Judgement     | 0                                         | 50                            | 4.692           |
| NOX                                 | Engineering Judgement     | 0                                         | 50                            | 0.5917          |
| 75092                               | Engineering Judgement     | 0                                         | 0                             | 0.1337          |
| 7647010                             | Engineering Judgement     | 0                                         | 0                             | 0.1685          |
| 127184                              | Engineering Judgement     | 0                                         | 0                             | 0.0681          |
| 7439976                             | Engineering Judgement     | 0                                         | 0                             | 0.0000          |
| 71556                               | Engineering Judgement     | 0                                         | 0                             | 0               |
| SO2                                 | Engineering Judgement     | 0                                         | 0                             | 0.3303          |
| PM10-FIL                            | Engineering Judgement     | 0                                         | 0                             | 1.0028          |
| PM25-FIL                            | Engineering Judgement     | 0                                         | 0                             | 1.0028          |
| PM-CON                              | Engineering Judgement     | 0                                         | 0                             | 1.0028          |
| VOC                                 | Engineering Judgement     | 0                                         | 0                             | 0.0688          |