

125-48436-00033  
AI: 12130



**BLACKFOOT LANDFILL**  
3726 E. State Road 64  
Winslow, IN 47598  
812-789-2647 (W)

October 24, 2024

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, IN 46204-2251

2FD  
Received State of Indiana  
10-30 HC  
OCT 31 2024  
Department of Environmental Management  
OFFICE OF AIR QUALITY

**RE: Blackfoot Landfill, Inc.  
Part 70 Operating Permit Renewal T125-47015-00033  
Administrative Amendment Application  
Request for Higher Operating (HOV) Temperature in Landfill Gas Wells  
BFLFW134 and BFLFW147 Pursuant to 40 CFR 63.1958(c)(2)**

Dear Sir or Madam:

Blackfoot Landfill, Inc. was issued Part 70 Operating Renewal Permit Number T135-47015-00033 on May 13, 2024 for the stationary solid waste municipal landfill located in Winslow, Indiana. (#).

Blackfoot Landfill, Inc. is subject to 40 CFR 60 Subpart XXX, Standards of Performance for Municipal Solid Waste Landfills and 40 CFR 63 Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills. The active landfill gas collection system installed at the site consists of numerous collection devices, including vertical gas extraction wells, horizontal trenches, connections to leachate sumps and cleanout risers. Per Condition B.17 of the permit and per 326 IAC 2-7-11, the facility is amending the permit to include Higher Operating Values (HOVs) for temperature for bottom-up caisson landfill gas wells BFLFW134 and BFLFW147.

Temperatures for BFLFW134 and BFLFW147 have historically ranged from 122.7°F-142.5°F and 71.2°F-131.9°F, respectively. More recently, BFLFW134's temperatures ranged from 142.6°F-153.5°F, and BFLFW147's temperatures ranged from 136.1°F-151.3°F. Therefore, an HOV of 155°F is requested for each well. It should be noted that these wells are located in a newer area of the site that just became subject to the NESHAP on October 21, 2024, so enhanced monitoring has not yet been required.

The landfill gas collection and control system is operated by the WM facility landfill gas technicians under the guidance and direction of the WM landfill gas operations manager. Data provided in this submittal was collected by WM facility gas technicians

and downloaded from the WM database and/or provided directly from the gas technicians. There has been no indication of subsurface oxidation at either well – no flames, embers, smoke, steam, smoldering odors, rapid settlement of waste, or char or ash in the collection system – and the technicians have not observed any structural problems related to the operation of the wells.

The higher operating temperatures are not causing fires as evidenced by the CO monitoring, and do not appear to be inhibiting methanogens. It should be noted that USEPA has historically approved previous HOV temperature values for several wells at the site. More details pertaining to each of the gas well locations are included in this submittal.

**BFLFW134**

BFLFW134’s temperatures over the previous year ranged from 122.7°F to 153.5°F, despite technician efforts to reduce temperatures via additional wellfield adjustments. Therefore, **a higher operating value for temperature of 155°F is requested for gas well BFLFW134**, which will allow the facility to have greater operational flexibility.

Methane quality ranges from 12.3–34.9%. Carbon Monoxide (CO) levels were measured to verify that no subsurface oxidation is occurring. The most recent CO measurement was collected at BFLFW134 on 10/16/2024 and measured 35 ppm. This is not indicative of subsurface oxidation. Temperature readings taken at wells surrounding BFLFW134 are normal with no indication of heat related issues noted around those locations.

The last year of landfill gas data for this well is provided in the following table:

Date & Time	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	Initial Static Pressure ("H <sub>2</sub> O)	Initial Temperature (°F)	CO (ppm)
10/10/2023 9:30	41.7	0	-0.02	140.6	
11/16/2023 8:29	41.2	0	-0.18	141	
12/12/2023 14:19	38.8	0	-0.33	142.5	
1/31/2024 10:17	15	11.8	-0.02	122.7	
2/21/2024 13:47	37.3	0	-0.13	125.3	
3/5/2024 14:17	28.6	0	-0.32	127.8	
4/18/2024 11:29	21.7	0.9	-0.04	131.4	
5/6/2024 13:22	30.8	0	-0.03	138.2	
6/4/2024 9:10					10
6/10/2024 11:07	12.3	5.9	-0.28	142.6	
7/18/2024 13:59	31.4	0.3	-0.04	145.1	
8/26/2024 11:42	27.4	0.1	-0.16	153.5	
9/20/2024 14:09	34.7	0	-0.03	149.5	

Date & Time	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	Initial Static Pressure ("H <sub>2</sub> O)	Initial Temperature (°F)	CO (ppm)
9/20/2024 14:11	34.9	0	-0.03	149.6	
10/16/2024 14:57	34.3	1.2	-0.13	144.4	
10/16/2024 15:15					35

**BFLFW147**

BFLFW147's temperatures over the previous year ranged from 71.2°F to 151.3°F. Therefore, **a higher operating value for temperature of 155°F is requested for gas well BFLFW147**, which will allow the facility to have greater operational flexibility.

Methane quality ranges from 19.7–46.1%, which indicates there are no impacts on methanogens from this slightly higher temperature. Carbon Monoxide (CO) levels were also measured to verify that no subsurface oxidation is occurring. A CO measurement taken at BFLFW147 on 10/16/2024 measured 55 ppm and did not indicate any issues. Temperature readings taken at wells surrounding BFLFW147 are normal with no indication of heat related issues noted around those locations.

The last year of landfill gas data for this well is provided in the following table:

Date & Time	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	Initial Static Pressure ("H <sub>2</sub> O)	Initial Temperature (°F)	CO (ppm)
10/10/2023 9:37	25.2	2.5	-0.04	113.7	
11/16/2023 8:08	36	0	-0.03	98	
12/12/2023 14:14	26.5	2.7	-0.03	97.6	
1/31/2024 10:33	19.7	2.4	-0.05	71.2	
2/21/2024 13:35	35.2	0.7	-0.05	115.1	
3/5/2024 14:12	32.6	0.2	-0.01	125.7	
4/18/2024 11:32	37.6	0.2	-0.01	131.9	
5/6/2024 13:12	39.3	0	-0.01	128.5	
6/4/2024 9:22					1
6/10/2024 11:02	40.1	0.3	-0.09	136.1	
7/18/2024 14:04	22.5	6.3	-0.04	138.1	
8/26/2024 10:52	35.5	1.8	-0.03	144.4	
9/20/2024 16:33	42.4	0	0.01	150.7	
9/20/2024 16:34	42.5	0	-0.02	151.3	
10/16/2024 11:38	46.1	0	-0.01	144.9	
10/16/2024 11:45					55

Per the provisions of 326 IAC 2-7-11(a)(7), this change to the permit qualifies as an administrative amendment because the amendment revises descriptive information that does not trigger a new applicable requirement or violate a permit term.

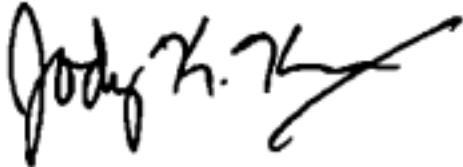
The following documents are included in this application submittal:

Attachment 1 - Form 50639, Air Permit Application Cover Sheet  
Attachment 2 - Form 50640, GSD01 General Source Data

It is our understanding that an application fee is not required with this application. The original application and two copies are provided in this submittal. No copy has been provided to the local library since the application is an Administrative Amendment.

If you have any questions regarding this submittal, please contact Jody Knox at [jknox@wm.com](mailto:jknox@wm.com) or (205) 994-0769 or CR Nanavati of EIL at (630) 254-9392 or [cnavati@eillc.com](mailto:cnavati@eillc.com).

Sincerely,  
Blackfoot Landfill, Inc.



Jody K. Knox  
Environmental Protection Manager

cc: Blackfoot Landfill, Inc. Site Files

**Attachment 1**  
Form 50639, Air Permit Application Cover Sheet



**AIR PERMIT APPLICATION COVER SHEET**  
 State Form 50639 (R4 / 1-10)  
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch  
 100 N. Senate Avenue, MC 61-53 Room 1003  
 Indianapolis, IN 46204-2251  
 Telephone: (317) 233-0178 or  
 Toll Free: 1-800-451-6027 x30178 (within Indiana)  
 Facsimile Number: (317) 232-6749  
[www.IN.gov/idem](http://www.IN.gov/idem)

**NOTES:**

- The purpose of this cover sheet is to obtain the core information needed to process the air permit application. This cover sheet is required for all air permit applications submitted to IDEM, OAQ. Place this cover sheet on top of all subsequent forms and attachments that encompass your air permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to **IDEM Air Permits Administration** using the address in the upper right hand corner of this page.
- IDEM will send a bill to collect the filing fee and any other applicable fees.
- Detailed instructions for this form are available on the Air Permit Application Forms website.

FOR OFFICE USE ONLY	
PERMIT NUMBER:	AZ:12130
	125 - 48436 - 00033
DATE APPLICATION WAS RECEIVED:	
Received State of Indiana OCT 31 2024 Hc	
Dept of Environmental Mgmt Office of Air Quality	

1. Tax ID Number: \_\_\_\_\_

**PART A: Purpose of Application**

Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.

2. Source / Company Name: Blackfoot Landfill, Inc. 3. Plant ID: 125 – 00033

4. Billing Address: 3726 State Road 64 East  
 City: Winslow State: IN ZIP Code: 47598 –

5. Permit Level:  Exemption  Registration  SSOA  MSOP  FESOP  TVOP  PBR

6. Application Summary: Check all that apply. Multiple permit numbers may be assigned as needed based on the choices selected below.

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Initial Permit   | <input type="checkbox"/> Renewal of Operating Permit        | <input type="checkbox"/> Asphalt General Permit            |
| <input type="checkbox"/> Review Request   | <input type="checkbox"/> Revocation of Operating Permit     | <input type="checkbox"/> Alternate Emission Factor Request |
| <input type="checkbox"/> Interim Approval | <input type="checkbox"/> Relocation of Portable Source      | <input type="checkbox"/> Acid Deposition (Phase II)        |
| <input type="checkbox"/> Site Closure     | <input type="checkbox"/> Emission Reduction Credit Registry |  |

- Transition (between permit levels) From: \_\_\_\_\_ To: \_\_\_\_\_
- Administrative Amendment:  Company Name Change  Change of Responsible Official  
 Correction to Non-Technical Information  Notice Only Change  
 Other (specify): HOV Request for Temperature

- Modification:  New Emission Unit or Control Device  Modified Emission Unit or Control Device  
 New Applicable Permit Requirement  Change to Applicability of a Permit Requirement  
 Prevention of Significant Deterioration  Emission Offset  MACT Preconstruction Review  
 Minor Source Modification  Significant Source Modification  
 Minor Permit Modification  Significant Permit Modification  
 Other (specify): \_\_\_\_\_

7. Is this an application for an initial construction and/or operating permit for a "Greenfield" Source?  Yes  No

8. Is this an application for construction of a new emissions unit at an Existing Source?  Yes  No

### PART B: Pre-Application Meeting

Part B specifies whether a meeting was held or is being requested to discuss the permit application.

9. Was a meeting held between the company and IDEM prior to submitting this application to discuss the details of the project?

No  Yes: *Date:*

10. Would you like to schedule a meeting with IDEM management and your permit writer to discuss the details of this project?

No  Yes: *Proposed Date for Meeting:*

### PART C: Confidential Business Information

Part C identifies permit applications that require special care to ensure that confidential business information is kept separate from the public file.

Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in the Indiana Administrative Code (IAC). To ensure that your information remains confidential, refer to the IDEM, OAQ information regarding submittal of confidential business information. For more information on confidentiality for certain types of business information, please review IDEM's Nonrule Policy Document Air-031-NPD regarding Emission Data.

11. Is any of the information contained within this application being claimed as **Confidential Business Information**?

No  Yes

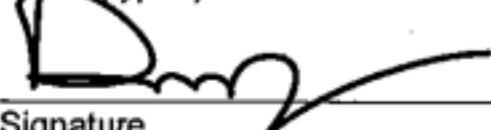
### PART D: Certification Of Truth, Accuracy, and Completeness

Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

For a Part 70 Operating Permit (TVOP) or a Source Specific Operating Agreement (SSOA), a "responsible official" as defined in 326 IAC 2-7-1(34) must certify the air permit application. For all other applicants, this person is an "authorized individual" as defined in 326 IAC 2-1.1-1(1).

*I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.*

Don Gentilcore  
Name (typed)

  
Signature

Director of Disposal Operations  
Title

10/25/2024  
Date

**Attachment 2**  
Form 50640, GSD01 General Source Data



**OAQ GENERAL SOURCE DATA APPLICATION**  
**GSD-01: Basic Source Level Information**

State Form 50640 (R5 / 1-10)  
**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
 State of Indiana

**IDEM – Office of Air Quality – Permits Branch**  
 100 N. Senate Avenue, MC 61-53 Room 1003  
 Indianapolis, IN 46204-2251  
 Telephone: (317) 233-0178 or  
 Toll Free: 1-800-451-6027 x30178 (within Indiana)  
 Facsimile Number: (317) 232-6749  
[www.IN.gov/idem](http://www.IN.gov/idem)

OCT 31 2024 HC

**NOTES:**

- **Department of Environmental Mgmt** provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form. **Office of Air Quality**
- Detailed instructions for this form are available on the **Air Permit Application Forms** website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

PART A: Source / Company Location Information		
1. Source / Company Name: Blackfoot Landfill, Inc.		2. Plant ID: 125 – 00033
3. Location Address: 3726 State Road 64 East		
City: Winslow	State: IN	ZIP Code: 47598 –
4. County Name: Pike	5. Township Name: Patoka	
6. Geographic Coordinates:		
Latitude: 38.35156	Longitude: -87.20623	
7. Universal Transferal Mercadum Coordinates (if known):		
Zone: 16	Horizontal:	Vertical:
8. Adjacent States: Is the source located within 50 miles of an adjacent state?		
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – Indicate Adjacent State(s): <input checked="" type="checkbox"/> Illinois (IL) <input type="checkbox"/> Michigan (MI) <input type="checkbox"/> Ohio (OH) <input checked="" type="checkbox"/> Kentucky (KY)		
9. Attainment Area Designation: Is the source located within a non-attainment area for any of the criteria air pollutants?		
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – Indicate Nonattainment Pollutant(s): <input type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> NO <sub>x</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> PM <input type="checkbox"/> PM <sub>10</sub> <input type="checkbox"/> PM <sub>2.5</sub> <input type="checkbox"/> SO <sub>2</sub>		
10. Portable / Stationary: Is this a portable or stationary source?		
<input type="checkbox"/> Portable <input checked="" type="checkbox"/> Stationary		

PART B: Source Summary	
11. Company Internet Address (optional):	
12. Company Name History: Has this source operated under any other name(s)?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – Provide information regarding past company names in Part I, Company Name History.	
13. Portable Source Location History: Will the location of the portable source be changing in the near future?	
<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> No <input type="checkbox"/> Yes – Complete Part J, Portable Source Location History, and Part K, Request to Change Location of Portable Source.	
14. Existing Approvals: Have any exemptions, registrations, or permits been issued to this source?	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes – List these permits and their corresponding emissions units in Part M, Existing Approvals.	
15. Unpermitted Emissions Units: Does this source have any unpermitted emissions units?	
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – List all unpermitted emissions units in Part N, Unpermitted Emissions Units.	
16. New Source Review: Is this source proposing to construct or modify any emissions units?	
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – List all proposed new construction in Part O, New or Modified Emissions Units.	
17. Risk Management Plan: Has this source submitted a Risk Management Plan?	
<input checked="" type="checkbox"/> Not Required <input type="checkbox"/> No <input type="checkbox"/> Yes → Date submitted: _____ EPA Facility Identifier: – –	

**PART C: Source Contact Information**

**IDEM will send the original, signed permit decision to the person identified in this section. This person MUST be an employee of the permitted source.**

18. Name of Source Contact Person: Jody Knox

19. Title (optional): Environmental Protection Manager

20. Mailing Address: 3726 State Road 64 East

City: Winslow

State: IN

ZIP Code: 47598 -

21. Electronic Mail Address (optional): jknox@wm.com

22. Telephone Number: ( 205 ) 994 - 0769

23. Facsimile Number (optional): ( ) -

**PART D: Authorized Individual/Responsible Official Information**

**IDEM will send a copy of the permit decision to the person indicated in this section, if the Authorized Individual or Responsible Official is different from the Source Contact specified in Part C.**

24. Name of Authorized Individual or Responsible Official: Don Gentilcore

25. Title: Director of Disposal Operations

26. Mailing Address: 3726 State Road 64 East

City: Winslow

State: IN

ZIP Code: 47598 -

27. Telephone Number: ( 615 ) 393 - 9208

28. Facsimile Number (optional): ( ) -

29. Request to Change the Authorized Individual or Responsible Official: Is the source officially requesting to change the person designated as the Authorized Individual or Responsible Official in the official documents issued by IDEM, OAQ? The permit may list the title of the Authorized Individual or Responsible Official in lieu of a specific name.

No  Yes - Change Responsible Official to:

**PART E: Owner Information**

30. Company Name of Owner: Waste Management

31. Name of Owner Contact Person: Jody Knox

32. Mailing Address: 3726 State Road 64 East

City: Winslow

State: IN

ZIP Code: 47598 -

33. Telephone Number: ( 205 ) 994 - 0769

34. Facsimile Number (optional): ( ) -

34. Operator: Does the "Owner" company also operate the source to which this application applies?

No - Proceed to Part F below.  Yes - Enter "SAME AS OWNER" on line 35 and proceed to Part G below.

**PART F: Operator Information**

35. Company Name of Operator: SAME AS OWNER

36. Name of Operator Contact Person:

37. Mailing Address:

City:

State:

ZIP Code: -

38. Telephone Number: ( ) -

39. Facsimile Number (optional): ( ) -

**PART G: Agent Information**

40. Company Name of Agent: Environmental Information Logistics

41. Type of Agent:  Environmental Consultant  Attorney  Other (specify):

42. Name of Agent Contact Person: Chirag Nanavati

43. Mailing Address: 1323 Butterfield Road, Suite 104

City: Downers Grove	State: IL	ZIP Code: 60515 -
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44. Electronic Mail Address (optional): cnanavati@eillc.com

45. Telephone Number: ( 630 ) 254 - 9392

46. Facsimile Number (optional): ( ) -

47. Request for Follow-up: Does the "Agent" wish to receive a copy of the preliminary findings during the public notice period (if applicable) and a copy of the final determination?  No  Yes

**PART H: Local Library Information**

48. Date application packet was filed with the local library:

49. Name of Library: Pike County - Winslow Branch Public Library

50. Name of Librarian (optional):

51. Mailing Address: 105 Center Street

City: Winslow	State: IL	ZIP Code: 47598 -
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52. Internet Address (optional): pikeco.lib.in.us

53. Electronic Mail Address (optional): w.clerks@pikeco.lib.in.us

54. Telephone Number: ( 812 ) 789 - 5423

55. Facsimile Number (optional): ( ) -

**PART I: Company Name History (if applicable)**

Complete this section only if the source has previously operated under a legal name that is different from the name listed above in Section A.

56. Legal Name of Company	57. Dates of Use
Blackfoot Landfill, Inc.	2020 to
Advanced Disposal Services Blackfoot Landfill, Inc.	2012 to 2020
Veolia ES Blackfoot Landfill, Inc.	2006 to 11/20/2012
Onyx Blackfoot Landfill, Inc.	2001 to 2006
Blackfoot Recycling & Disposal Facility, Inc.	1999 to 2000
	to
	to
	to
	to
	to

58. Company Name Change Request: Is the source officially requesting to change the legal name that will be printed on all official documents issued by IDEM, OAQ?  
 No  Yes - Change Company Name to:

**PART J: Portable Source Location History (if applicable)**

Complete this section only if the source is portable and the location has changed since the previous permit was issued. The current location of the source should be listed in Section A.

59. Plant ID	60. Location of the Portable Source	61. Dates at this Location
-	NOT APPLICABLE	to
-		to
-		to
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-		to

**PART K: Request to Change Location of Portable Source (if applicable)**

Complete this section to request a change of location for a portable source.

**62. Current Location:**

Address:

City:

State:

ZIP Code:

-

County Name:

**63. New Location:**

Address:

City:

State:

ZIP Code:

-

County Name:

**PART L: Source Process Description**

Complete this section to summarize the main processes at the source.

64. Process Description	65. Products	66. SIC Code	67. NAICS Code
Municipal Solid Waste (MSW) Landfill	Waste Disposal	4953	562212

**PART M: Existing Approvals (if applicable)**

Complete this section to summarize the approvals issued to the source since issuance of the main operating permit.

68. Permit ID	69. Emissions Unit IDs	70. Expiration Date
47015	MSW Landfill - Part 70 Permit Renewal	5/13/2029

**PART N: Unpermitted Emissions Units (if applicable)**

Complete this section only if the source has emission units that are not listed in any permit issued by IDEM, OAQ.

71. Emissions Unit ID	72. Type of Emissions Unit	73. Actual Dates		
		Began Construction	Completed Construction	Began Operation

**PART O: New or Modified Emissions Units (if applicable)**

Complete this section only if the source is proposing to add new emission units or modify existing emission units.

74. Emissions Unit ID	75. NEW	76. MOD	77. Type of Emissions Unit	78. Estimated Dates		
				Begin Construction	Complete Construction	Begin Operation
MSW LF		X	Temperature HOV - BFLFW134 and BFLFW147			

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Compliance

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CHIRAG MANAVATI  
EIL  
1323 BUTTERFIELD ROAD  
SUITE 104  
DOWNERS GROVE, IL 60515  
UNITED STATES US

SHIP DATE: 30OCT24  
ACTWGT: 1.00 LB  
CAD: 250957872/NET4535

BILL SENDER

TO IDEM

100 N SENATE AVE  
OAG MC61-53 IGCN 1003  
INDIANAPOLIS IN 46204

81CJ8/2025/CS04

(317) 232-8603 REF: 190204 - BLACKFOOT  
IN: DEPT:  
PO:



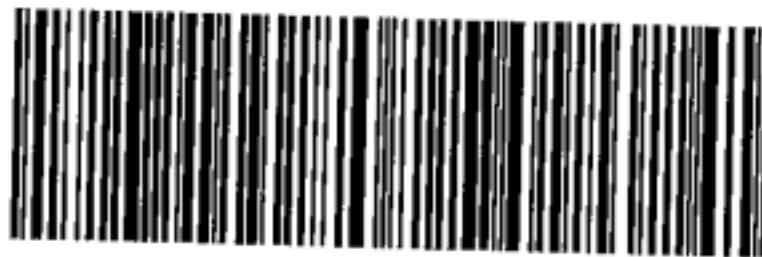
THU - 31 OCT 5:00P  
STANDARD OVERNIGHT

TRKR 7796 2220 7302  
0201

**XP GSHA**

46204

IN-US IND



Received  
State of Indiana

OCT 31 2024 HC

Dept of Environmental Mgmt  
Office of Air Quality

4464 THU 10/31 07:09  
100 N SENATE AVE

809-1025  
ETP: 30 SP:PD:100.Y

46204-2273-99  
INDIANAPOLIS, IN

779622207302