

Received by State of Indiana IDEM-OAQ  
via email March 6, 2023 MJ-2

March 3, 2023

Indiana Department of Environmental Management  
Office of Air Quality  
Permits Branch  
100 N. Senate Avenue  
MC 61-53 Room 1003  
Indianapolis, IN 46204-2251

Re: Arcosa LW HPB, LLC  
Source ID 109-00007  
Control Device Replacement Application

Dear Sir or Madam:

On behalf of Arcosa LW HPB, LLC (Arcosa), B-WISE Consulting LLC (B-WISE) is submitting the enclosed permit application to request the replacement of an existing control device.

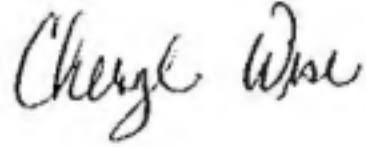
The baghouse currently in commission is identified in Section D.1(c) of Permit T109-39783-00007 as follows:

“One (1) rotary kiln, identified as K5, constructed in 1966, with a maximum heat input of 100 MMBtu per hour burning natural gas or bituminous coal, with a maximum capacity of 30 tons of raw shale per hour, using a cloth baghouse as control, and exhausting to stack ST5.”

The facility will be replacing the cloth baghouse controlling emissions from rotary kiln K5. Construction on the new baghouse will take place while the currently permitted baghouse is operating. Once the new baghouse is fully constructed, the source will disconnect the currently permitted baghouse and commission the newly constructed baghouse. This transition is expected to occur in June of 2023. This baghouse replacement will not cause an increase in emissions, and during the transition phase, the facility will not be operating rotary kiln K5.

Thank you for your assistance with this matter. Please contact me by telephone at 317-509-2762 or via e-mail at [cwise@b-wiseconsulting.com](mailto:cwise@b-wiseconsulting.com) if you have any questions.

Sincerely,  
B-WISE Consulting LLC

A handwritten signature in black ink that reads "Cheryl Wise". The signature is written in a cursive, flowing style.

Cheryl Wise  
Co-Founder | C.E.O.

Enclosure

Cc: Ralph Hulsizer, Arcosa via e-mail  
Jim Martin, Arcosa via e-mail  
Dainae Prejean, Arcosa via e-mail



**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:**

109-46380-00007

**DATE APPLICATION WAS RECEIVED:**

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OAQ  
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**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:** Arcosa LW HPB, LLC

**3. Plant ID:** 109 – 00007

**4. Billing Address:** 6618 Tidewater Road

**City:** Mooresville

**State:** IN

**ZIP Code:** 46158 –

**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:*
- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Administrative Amendment: | <input type="checkbox"/> Company Name Change                     | <input type="checkbox"/> Change of Responsible Official |
|  | <input type="checkbox"/> Correction to Non-Technical Information | <input type="checkbox"/> Notice Only Change             |
|  | <input type="checkbox"/> Other (specify):                        |   |

- ☒ Modification:
- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> New Emission Unit or Control Device | <input type="checkbox"/> Modified Emission Unit or Control Device        |  |
| <input type="checkbox"/> New Applicable Permit Requirement              | <input type="checkbox"/> Change to Applicability of a Permit Requirement |  |
| <input type="checkbox"/> Prevention of Significant Deterioration        | <input type="checkbox"/> Emission Offset                                 | <input type="checkbox"/> MACT Preconstruction Review |
| <input type="checkbox"/> Minor Source Modification                      | <input type="checkbox"/> Significant Source Modification                 |  |
| <input type="checkbox"/> Minor Permit Modification                      | <input type="checkbox"/> Significant Permit Modification                 |  |
| <input type="checkbox"/> 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

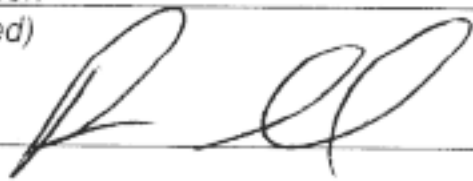
Part D is the official certification that the information contained within the air permit application packet is truthful, accurate, and complete. Any air permit application packet that we receive without a signed certification will be deemed incomplete and may result in denial of the permit.

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.

Brian Dowden  
Name (typed)

Signature



Vice President - Operations  
Title

Date

3-6-2023



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

State Form 50640 (R5 / 1-10)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**IDEM – Office of Air Quality – Permits Branch**  
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**NOTES:**

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required form.
- 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.

109-46380-00007

**PART A: Source / Company Location Information**

1. Source / Company Name: Arcosa LW HPB, LLC		2. Plant ID: 109 – 00007	
3. Location Address: 6618 North Tidewater Road			
City: Mooresville	State: IN	ZIP Code: 46158 –	
4. County Name: Morgan	5. Township Name: Clay		
6. Geographic Coordinates:			
Latitude: 39 31' 37"	Longitude: 86 22' 43.06"		
7. Universal Transferred Mercator Coordinates (if known):			
Zone:	Horizontal:	Vertical:	
8. Adjacent States: Is the source located within 50 miles of an adjacent state?			
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – Indicate Adjacent State(s): <input type="checkbox"/> Illinois (IL) <input type="checkbox"/> Michigan (MI) <input type="checkbox"/> Ohio (OH) <input 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:** Dainae Prejean

**19. Title (optional):** Environmental Manager

**20. Mailing Address:** PO Box 190

**City:** Erwinville

**State:** LA

**ZIP Code:** 70729 –

**21. Electronic Mail Address (optional):** dainae.prejean@arcosa.com

**22. Telephone Number:** ( 225 ) 627 – 4242

**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:** Brian Dowden

**25. Title:** Vice President - Operations

**26. Mailing Address:** 12652 Hwy 190 West

**City:** Erwinville

**State:** LA

**ZIP Code:** 70757 –

**27. Telephone Number:** ( 225 ) 627 – 6242

**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:** Brian Dowden

**PART E: Owner Information**

**30. Company Name of Owner:** Arcosa LW HPB, LLC

**31. Name of Owner Contact Person:**

**32. Mailing Address:**

**City:**

**State:**

**ZIP Code:** –

**33. Telephone Number:** ( ) –

**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

<b>40. Company Name of Agent:</b> B-WISE Consulting LLC		
<b>41. Type of Agent:</b> <input checked="" type="checkbox"/> Environmental Consultant <input type="checkbox"/> Attorney <input type="checkbox"/> Other (specify):		
<b>42. Name of Agent Contact Person:</b> Cheryl Wise		
<b>43. Mailing Address:</b> 272 Suncrest Drive		
<b>City:</b> Greenwood	<b>State:</b> IN	<b>ZIP Code:</b> 46143 –
<b>44. Electronic Mail Address (optional):</b> cwise@b-wiseconsulting.com		
<b>45. Telephone Number:</b> ( 317 ) 509 – 2762	<b>46. Facsimile Number (optional):</b> ( ) –	
<b>47. Request for Follow-up:</b> 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? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		

### PART H: Local Library Information

<b>48. Date application packet was filed with the local library:</b> Within ten (10) days of permit application submission		
<b>49. Name of Library:</b> Mooresville Public Library		
<b>50. Name of Librarian (optional):</b>		
<b>51. Mailing Address:</b> 220 West Harrison Street		
<b>City:</b> Mooresville	<b>State:</b> IN	<b>ZIP Code:</b> 46158 –
<b>52. Internet Address (optional):</b>		
<b>53. Electronic Mail Address (optional):</b>		
<b>54. Telephone Number:</b> ( 317 ) 831 – 7323	<b>55. Facsimile Number (optional):</b> ( ) –	

### 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
TRN LW HPB, LLC	2017 to 2019
Hydraulic Press Brick Company	1954 to 2017
	to
	to
	to
	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:**

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.

[illegible]

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

<b>62. Current Location:</b>		
<b>Address:</b>		
<b>City:</b>	<b>State:</b>	<b>ZIP Code:</b> –
<b>County Name:</b>		
<b>63. New Location:</b>		
<b>Address:</b>		
<b>City:</b>	<b>State:</b>	<b>ZIP Code:</b> –
<b>County Name:</b>		



### 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
Lightweight Expanded Shale Processing	Expanded Shale	3295	327992

### 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
39783	Facility Wide - Renewal	2/21/2024
41865	Facility Wide - Significant Permit Modification	2/21/2024
41882	Facility Wide - Significant Permit Modification	2/21/2024
43754	Facility Wide - Significant Permit Modification	2/21/2024

### 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