



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

To: Interested Parties

Date: July 12, 2024

From: Jenny Acker, Chief
Permits Branch
Office of Air Quality

Source Name: King Station/Keyrock Environment LLC

Permit Level: Registration Revision

Permit Number: 777-48008-05582

Source Location: 0.13mi S, W CR 400S & US Hwy 41, Princeton, Indiana 47670

Type of Action Taken: Modification at an existing source

Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, choose Search Option **by Permit Number**, then enter permit 48008. This search will also provide the application received date and **final** permit issuance date.

The final decision is also available via IDEM's Virtual File Cabinet (VFC). Please go to: <https://www.IN.gov/idem> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

(continues on next page)

If you would like to request a paper copy of the permit document, please contact IDEM's Office of Records Management:

IDEM - Office of Records Management
Indiana Government Center North, Room 1207
100 North Senate Avenue
Indianapolis, IN 46204
Phone: (317) 232-8667
Fax: (317) 233-6647
Email: IDEMFILEROOM@idem.in.gov

Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Indiana Office of Administrative Law Proceedings, 100 N. Senate Avenue Suite N802, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Indiana Office of Administrative Law Proceedings (OALP); or
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OALP by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OALP by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

July 12, 2024

Joe Lane
Kings Station/Keyrock Environment LLC
153 Jackson Avenue
Madison, WV 25130

Re: 777-48008-05582
Revision to
Registration No. R777-46834-05582

Dear Joe Lane:

Kings Station/Keyrock Environment LLC was issued a Registration No. R777-46834-05582 on August 21, 2023 for a portable methane combustion facility located at 0.13mi S, W CR 400S & US Hwy 41, Princeton, IN 47670. On June 26, 2024, the Office of Air Quality (OAQ) received an application from the source requesting to replace the AB-200 methane combustion flares with CIM 84" Combustion Flares. Pursuant to the provisions of 326 IAC 2-5.5-6(g), a Registration Revision is hereby approved as described in the attached Technical Support Document.

The source shall continue to operate according to 326 IAC 2-5.5 (Registrations). All other conditions of the registration shall remain unchanged and in effect. Please find attached the entire registration as revised.

A copy of the registration is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. A copy of the application and registration is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: <https://www.in.gov/idem/> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Pratim Moulik, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6871 or (800) 451-6027, and ask for Pratim Moulik or (317) 234-6871.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Balogun", with a horizontal line extending to the right and a small mark at the end.

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

Attachment(s): Revised Registration and Technical Support Document

cc: File - Gibson County
Gibson County Health Department
Compliance and Enforcement Branch
IDEM Southwest Regional Office



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Eric J. Holcomb
Governor


Brian C. Rockensuess
Commissioner

**REGISTRATION
OFFICE OF AIR QUALITY**

**Kings Station/Keyrock Environment LLC
(portable)**

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

| | |
|---|--------------------------------|
| Registration No. R 777-46834-05582 Master Agency Interest ID.: 133334 | |
| Issued by: Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality | Issuance Date: August 21, 2023 |

| | |
|--|------------------------------|
| Registration Revision No. 777-48008-05582 | |
| Issued by:  Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality | Issuance Date: July 12, 2024 |

SECTION A

SOURCE SUMMARY

This registration is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Registrant to obtain additional permits pursuant to 326 IAC 2.

A.1 General Information

The Registrant owns and operates a portable methane combustion facility.

| | |
|------------------------------|--|
| Initial Source Address: | 0.13mi S, W CR 400S & US Hwy 41, Princeton, IN 47670 |
| General Source Phone Number: | (304) 573-9873 |
| SIC Code: | 4959 (Sanitary Services, Not Elsewhere Classified) |
| County Location: | Gibson County |
| Source Location Status: | Attainment for all criteria pollutants |
| Source Status: | Registration |

A.2 Emission Units and Pollution Control Equipment Summary

This portable source consists of the following emission units and pollution control devices:

- (a) One (1) methane combustion flare, identified as CIM 84" Combustion Flare, approved in 2024 for construction, with a maximum heat input capacity of 53 MMBtu per hour, uncontrolled, and exhausting outdoors.

SECTION B

GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this registration shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration R 777-46834-05582 is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

B.3 Registration Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation), this registration to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM the fact that continuance of this registration is not consistent with purposes of this article.

B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to Registration No. R 777-46834-05582 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this registration.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), an application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this registration, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this registration or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant notifies:

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

The Registrant shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.9 Relocation of Portable Sources [326 IAC 2-14-4]

(a) This registration is approved for operation in Indiana as specified below.

- (1) For sources with a source-wide potential to emit volatile organic compounds (VOCs) and/or nitrogen oxides (NOx) equal to or greater than ten (10) tons per twelve (12) consecutive month period, the registration is approved for operation in all areas of Indiana except in extreme nonattainment areas for ozone.

This determination is based on the requirements of 326 IAC 2-3 (Emission Offset). Prior to locating into an extreme nonattainment area for ozone, the Registrant must submit a request and obtain a registration revision.

- (2) For sources with a source-wide potential to emit volatile organic compounds (VOCs) and nitrogen oxides (NOx) of less than ten (10) tons per twelve (12) consecutive month period, each, the registration is approved for operation in all areas of Indiana.
- (b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:
- (1) The new location address of the portable source.
 - (2) Whether or not this portable source will be relocated to another source.
 - (3) If relocating to another source:
 - (A) Name, location address, and permit number of the source this portable source is relocating to.
 - (B) Whether or not the sources will be considered as one source. See Non Rule Policy (NRP) Air-005 and Air-006.
 - (4) If the sources will be considered as one source, whether or not the source to be relocated to has received the necessary approvals from IDEM to allow the relocation.
- (c) A "Relocation Site Approval" letter shall be obtained prior to relocating.
- (d) A valid registration consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

C.1 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this registration:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.2 Fugitive Dust Emissions [326 IAC 6-4]

The Registrant shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

**REGISTRATION
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

| | |
|--------------------------------|---------------------------------------|
| Company Name: | Kings Station/Keyrock Environment LLC |
| Initial Source Address: | 0.13MI S, W CR 400S & US Hwy 41, |
| City: | Princeton, Indiana, 47670 |
| Phone Number: | (304) 573-9873 |
| Registration No.: | R 777-46834-05582 |

I hereby certify that Kings Station/Keyrock Environment LLC is:

still in operation.

I hereby certify that Kings Station/Keyrock Environment LLC is:

no longer in operation.

in compliance with the requirements of Registration No. R 777-46834-05582.

not in compliance with the requirements of Registration No. R 777-46834-05582.

I hereby certify that the source (R 777-46834-05582) is currently located at the following address:

| | | | |
|-----------|--------|---------|-------|
| _____ | _____ | _____ | _____ |
| (Address) | (City) | (State) | (Zip) |

Relocation approval for this address was granted in Relocation No. _____
(specify approval number)

This source is currently in temporary storage (inactive/dormant) at this address.
(Note: Relocation approval is not required for a temporary storage location.)

| |
|---------------------------------------|
| Authorized Individual (typed): |
| Title: |
| Signature: |
| Date: |

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

| |
|-----------------------|
| Noncompliance: |
| |
| |
| |

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Registration Revision

Source Description and Location

Source Name: Kings Station/Keyrock Environment LLC
Source Location: 0.13mi S, W CR 400S & US Hwy 41, Princeton, IN 47670
County: Gibson
SIC Code: 4959 (Sanitary Services, Not Elsewhere Classified)
Registration No.: R 777-46834-05582
Registration Issuance Date: August 21, 2023
Registration Revision No.: 777-48008-05582
Permit Reviewer: Pratim Moulik

On June 26, 2024, the Office of Air Quality (OAQ) received an application from Kings Station/Keyrock Environment LLC related to changes at an existing portable methane combustion facility.

Source Definition

This determination was initially made under Registration No. 777-46834-05582, issued on August 21, 2023.

Existing Approvals

The source was issued Registration No. 777-46834-05582 on August 21, 2023. There have been no subsequent approvals issued.

County Attainment Status

The source is located in Gibson County.

Pursuant to amendments to Indiana Code IC 13-17-3-14, effective July 1, 2023, a federal regulation that classifies or amends a designation of attainment, nonattainment, or unclassifiable for any area in Indiana under the federal Clean Air Act is effective and enforceable in Indiana on the effective date of the federal regulation.

| Pollutant | Designation |
|-------------------|--|
| SO ₂ | Unclassifiable or attainment effective September 12, 2016, for the 2010 primary 1-hour SO ₂ standard. Cannot be classified effective March 3, 1978, for the national secondary standards. |
| CO | Unclassifiable or attainment effective November 15, 1990. |
| O ₃ | Unclassifiable or attainment effective January 16, 2018, for the 2015 8-hour ozone standard. |
| PM _{2.5} | Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM _{2.5} standard. |
| PM _{2.5} | Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM _{2.5} standard. |
| PM ₁₀ | Unclassifiable effective November 15, 1990. |
| NO ₂ | Unclassifiable or attainment effective January 29, 2012, for the 2010 NO ₂ standard. |
| Pb | Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard. |

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Gibson County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
Gibson County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Gibson County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

The fugitive emissions of regulated air pollutants and hazardous air pollutants (HAP) are counted toward the determination of Registration (326 IAC 2-5.1-5) applicability and source status under Section 112 of the Clean Air Act (CAA).

Portable Source

- (a) **PSD and Emission Offset Requirements**
The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD) 326 IAC 2-2 and Emission Offset 326 IAC 2-3.
- (b) **Portable Source Relocation**
Section C - Relocation of Portable Sources of the registration includes conditional language based on the attainment status of the source's current location and existing source-wide potential to emit (PTE) of air pollutants. Sources should evaluate whether to request approval to relocate to a given location in Indiana based on the county/area attainment status under 40 CFR 81.315 of the proposed location. The existing source-wide PTE should take into account air pollutant emissions from any existing registered emission units, the uncontrolled/unlimited air pollutant emissions from unregistered emission units (if any), and increases in air pollutant emissions from modified emission units (if any). See the "County Attainment Status" section of this TSD for more information about the attainment status of the source's current (proposed) location.

Indiana county/area attainment status under 40 CFR 81.315 is available on the Internet at:
https://www.ecfr.gov/cgi-bin/text-idx?SID=eed1ca0ec6d31179af79405ddffaae05&mc=true&node=se40.18.81_1315&rgn=div8

Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Source Status - Existing Source

This table reflects the unrestricted potential emissions of the source prior to the proposed revision. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

| | Unrestricted Source-Wide Emissions Prior to Revision (tons/year) | | | | | | | |
|---|--|-------------------------------|----------------------------------|-----------------|-----------------|------|-------|------------|
| | PM ¹ | PM ₁₀ ¹ | PM _{2.5} ^{1,2} | SO ₂ | NO _x | VOC | CO | Total HAPs |
| AB-200 | 1.07 | 0.96 | - | - | 11.60 | - | 9.19 | - |
| Total PTE of Entire Source Including Source-Wide Fugitives | 1.07 | 0.96 | - | - | 11.60 | - | 9.19 | - |
| Exemptions Levels | < 5 | < 5 | < 5 | < 10 | < 10 | < 10 | < 25 | < 25 |
| Registration Levels | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 100 | < 25 |
| ¹ Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a "regulated air pollutant." ² PM _{2.5} listed is direct PM _{2.5} . | | | | | | | | |

These emissions are based on the TSD of Registration No. 777-46834-05582, issued on August 21, 2023.

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Kings Station/Keyrock Environment LLC on June 26, 2024, relating to replacing the AB-200 methane combustion flares with a CIM 84" methane combustion flare.

The following is a list of the new emission units:

- (a) One (1) methane combustion flare, identified as CIM 84" Combustion Flare, approved in 2024 for construction, with a maximum heat input capacity of 53 MMBtu per hour, uncontrolled, and exhausting outdoors.

As part of this permitting action, the following emission units are being removed from the registration:

- (a) Three (3) enclosed methane flares, each identified as AB-200 flare, approved in 2023 for construction, each with the maximum gas flowrate of 303 scfm and the maximum heat input capacity of 19.4 million British thermal units per hour (MMBtu/hr), with a methane pilot ignition, used for the purpose of capturing and burning of the methane gas from inactive sealed coal mine for the reduction of greenhouse gases.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Registration Revision

The following table is used to determine the appropriate revision level under 326 IAC 2-5.5-6. This table reflects the PTE before controls of the proposed revision. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

| Process / Emission Unit | PTE Before Controls of the New Emission Units (ton/year) | | | | | | | |
|---|--|------------------|--------------------------------|-----------------|-----------------|-------------|--------------|-------------|
| | PM | PM ₁₀ | PM _{2.5} ¹ | SO ₂ | NO _x | VOC | CO | Total HAPs |
| Methane Flare CIM84 | 1.15 | 1.02 | - | - | 18.58 | - | 23.22 | - |
| Total PTE Before Controls of the New Emission Units: | 1.15 | 1.02 | 0.00 | 0.00 | 18.58 | 0.00 | 23.22 | 0.00 |

¹PM_{2.5} listed is direct PM_{2.5}.

Appendix A of this TSD reflects the detailed potential emissions of the proposed revision.

This Registration is being revised through a Registration Revision pursuant to 326 IAC 2-5.5-6(g), because the revision involves the construction or modification of an emission unit not described under 326 IAC 2-1.1-3(e)(1) through 326 IAC 2-1.1-3(e)(31). The current methane combustion flare, AB-200, is being replaced by a new combustion flare, CIM 84". The PTE for NO_x for the new flare is above 10 tons per year, making the permit a registration revision.

PTE of the Entire Source After Issuance of the Registration Revision

The table below summarizes the after issuance source-wide unrestricted potential to emit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

| | Unrestricted Source-Wide Emissions After Issuance (tons/year) | | | | | | | |
|--|---|-------------------------------|-----------------------------------|-----------------|-----------------|------|-------|------------|
| | PM ¹ | PM ₁₀ ¹ | PM _{2.5} ^{1, 2} | SO ₂ | NO _x | VOC | CO | Total HAPs |
| Methane Flare CIM84 | 1.15 | 1.02 | - | - | 18.58 | - | 23.22 | - |
| Total PTE of Entire Source Including Source-Wide Fugitives | 1.15 | 1.02 | - | - | 18.58 | - | 23.22 | - |
| Exemptions Levels | < 5 | < 5 | < 5 | < 10 | < 10 | < 10 | < 25 | < 25 |
| Registration Levels | < 25 | < 25 | < 25 | < 25 | < 25 | < 25 | < 100 | < 25 |

¹Under the Part 70 Permit program (40 CFR 70), PM₁₀ and PM_{2.5}, not particulate matter (PM), are each considered as a "regulated air pollutant."
²PM_{2.5} listed is direct PM_{2.5}.

- (a) This proposed revision will not change the registration status of the source, because the source-wide uncontrolled/unlimited potential to emit of NO_x will still be within the ranges listed in 326 IAC 2-5.5-1(b)(1) and the potential to emit of all other regulated air pollutants will each still be less than the ranges listed in 326 IAC 2-5.5-1(b)(1). Therefore, the source will still be subject to the provisions of 326 IAC 2-5.5 (Registrations).

- (b) This proposed revision will not change the registration status of the source, because the source-wide uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the uncontrolled/unlimited potential to emit of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.5 (Registrations). This source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability Determination

Due to this proposed revision, federal rule applicability has been reviewed as follows:

New Source Performance Standards (NSPS):

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the registration.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

- (a) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR Part 63, 326 IAC 14, and 326 IAC 20) included in the registration.

Compliance Assurance Monitoring (CAM):

Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the registration, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability - Entire Source

Due to this proposed revision, state rule applicability has been reviewed as follows:

326 IAC 2-5.5 (Registrations)

Registration applicability is discussed under the PTE of the Entire Source After Issuance of the Registration Revision section of this document.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The new emission unit(s) will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting), because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70), it is not located in Lake or Porter County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this registrant:

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not subject to the requirements of 326 IAC 6-5, because the source has potential fugitive particulate emissions of less than twenty-five (25) tons per year.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(a), this source (located in Gibson County) is not subject to the requirements of 326 IAC 6.5, because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

| |
|---|
| State Rule Applicability – Individual Facilities |
|---|

Due to this proposed revision, state rule applicability has been reviewed as follows:

Methane Flare CIM 84

326 IAC 6-2-1 (Particulate Emission Limitations for Sources of Indirect Heating)

The flare is not subject to the requirements of 326 IAC 6-2 since the flare combustion is not a source of indirect heating.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-1(b)(14), the unit is not subject to the requirements of 326 IAC 6-3, since the potential emissions are less than five hundred fifty-one thousandths (0.551) pound per hour.

326 IAC 9-1 (Carbon Monoxide Emission Limits)

The requirements of 326 IAC 9-1 do not apply to the unit, because this source does not operate a catalyst regeneration petroleum cracking system or a petroleum fluid coker, grey iron cupola, blast furnace, basic oxygen steel furnace, or other ferrous metal smelting equipment.

326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories)

The requirements of 326 IAC 10-3 do not apply to the unit, since this unit is not a blast furnace gas-fired boiler, a Portland cement kiln, or a facility specifically listed under 326 IAC 10-3-1(a)(2).

Proposed Changes

The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

- (1) Condition A.2 was updated to add a new emission unit and remove an existing emission unit.

A.2 Emission Units and Pollution Control Equipment Summary

This portable source consists of the following emission units and pollution control devices:

- (a) ~~Three (3) enclosed methane flares, each identified as AB-200 flare, approved in 2023 for construction, each with the maximum gas flowrate of 303 scfm and the maximum heat input capacity of 19.4 million British thermal units per hour (MMBtu/hr), with a methane pilot ignition, used for the purpose of capturing and burning of the methane gas from inactive sealed coal mine for the reduction of greenhouse gases. One (1) methane combustion flare, identified as CIM 84" Combustion Flare, approved in 2024 for construction, with a maximum heat input capacity of 53 MMBtu per hour, uncontrolled, and exhausting outdoors.~~ **One (1) methane combustion flare, identified as CIM 84" Combustion Flare, approved in 2024 for construction, with a maximum heat input capacity of 53 MMBtu per hour, uncontrolled, and exhausting outdoors.**

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on June 26, 2024.

The construction and operation of this proposed revision shall be subject to the conditions of the attached Registration Revision No. 777-48008-05582. The staff recommends to the Commissioner that the Registration Revision be approved.

IDEM Contact

- (a) If you have any questions regarding this permit, please contact Pratim Moulik, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6871 or (800) 451-6027, and ask for Pratim Moulik or (317) 234-6871.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

Appendix A: Emissions Calculations
Source Summary

Company Name: Kings Station/Keyrock Environment LLC
 Source Address: W CR 400 S & US Hwy 41 .13MI S, Princeton, IN 47670
 Permit Number: R 777-48008-05582
 Reviewer: Pratim Moulik

| Unlimited Potential to Emit (tons/year) | | | | | | | | |
|---|-------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|
| Emissions Source | PM | PM10 | PM2.5 | SO2 | NOx | VOC | CO | HAPs |
| Methane Flare | 1.15 | 1.02 | - | - | 18.58 | - | 23.22 | - |
| Total | 1.15 | 1.02 | 0.00 | 0.00 | 18.58 | 0.00 | 23.22 | 0.00 |

**Appendix A: Emissions Calculations
Modification**

Company Name: Kings Station/Keyrock Environment LLC
 Source Address: W CR 400 S & U S Hwy 41 .13MI S, Princeton, IN 47670
 Permit Number: R 777-48008-05582
 Reviewer: Pratim Moulik

| Uncontrolled Potential to Emit of New Units (tons/year) | | | | | | | | | |
|---|-------------|------------------|---------------------|-----------------|-----------------|-------------|--------------|-------------------|----------------|
| Emission Unit | PM | PM ₁₀ | PM _{2.5} * | SO ₂ | NO _x | VOC | CO | Combine d HAPs | Single HAP () |
| Methane Flare | 1.15 | 1.02 | 0.00 | 0.00 | 18.58 | 0.00 | 23.22 | 0.00 | 0.00 |
| Total (tons/year): | 1.15 | 1.02 | 0.00 | 0.00 | 18.58 | 0.00 | 23.22 | 0.00 | 0.00 |

*PM_{2.5} listed is direct PM_{2.5}

Appendix A: Emissions Calculations
 CIMBA Technical Specification Data

Company Name: Kings Station/Keyrock Environment LLC
 Source Address: WCR 400 S & US Hwy 41 .13 MI S, Princeton, IN 47670
 Permit Number: R 777-48008-05582
 Reviewer: Pratim Mouluk

| | |
|--|---------|
| State of Operation: | IN |
| Flare Type: | Cim 84" |
| Target flow rate for source [scfm]: | 971 |
| Methan Concentration[%]: | 100% |
| CH4 heating value [Btu/scf]: | 910 |
| Max Heat Release per Flare [MMBtu/hr]: | 53.0166 |
| Number of Flares Required for Target: | 1 |

| Criteria Pollutants | Pollutant | | | | | | | |
|-------------------------------|-----------|----------|--------|------|-------|------|-------|------|
| | PM* | PM10* | PM2.5* | SO2 | NOx | VOC | CO | HAPS |
| Emission Factor (lb/MMBtu) | 4.95E-03 | 4.40E-03 | 0.00 | 0.00 | 0.08 | 0.00 | 0.10 | 0.00 |
| Potential Emissions (tons/yr) | 1.15 | 1.02 | 0.00 | 0.00 | 18.58 | 0.00 | 23.22 | 0.00 |



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Joe Lane
King Station/Keyrock Environment, LLC
153 Jackson Avenue
Madison, West Virginia 25130

DATE: July 12, 2024

FROM: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Registration Revision
777-48008-05582

This notice is to inform you that a final decision has been issued for the air permit application referenced above.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. In addition, the Notice of Decision has been sent to the OAQ Permits Branch Interested Parties List and, if applicable, the Consultant/Agent and/or Responsible Official/Authorized Individual.

The final decision and supporting materials are available electronically; the original signature page is enclosed for your convenience. The final decision and supporting materials available electronically at:

IDEM's online searchable databases: <http://www.in.gov/apps/idem/caats/>. Choose Search Option by **Permit Number**, then enter permit 48008

and

IDEM's Virtual File Cabinet (VFC): <https://www.in.gov/idem>. Enter VFC in the search box, then search for permit documents using a variety of criteria, such as Program area, date range, permit #, Agency Interest Number, or Source ID.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, or have difficulty accessing the documents online, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover Letter 8/20/20-access via website



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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

July 12, 2024

**Kings Station/Keyrock Environment LLC
777-48008-05582**

To: Interested Parties

This notice is to inform you that a final decision has been issued for the air permit application referenced above. This notice is for informational purposes only. You are not required to take any action.

You are receiving this notice because you asked to be on IDEM's notification list for this company and/or county; or because your property is nearby the company being permitted; or because you represent a local/regional government entity.

The enclosed Notice of Decision Letter provides additional information about the final permit decision.

The final decision and supporting materials are available electronically at:

IDEM's online searchable database: <http://www.in.gov/apps/idem/caats/>. Choose Search Option by Permit Number, then enter permit 48008

and


IDEM's Virtual File Cabinet (VFC): <https://www.in.gov/idem>. Enter VFC in the search box, then search for permit documents using a variety of criteria, such as Program area, date range, permit #, Agency Interest Number, or Source ID.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit.

Please Note: *If you would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at JBRUSH@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
Final Interested Parties Cover Letter 10/13/2023

Mail Code 61-53

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|----------------------------|---|---|---|--|
| IDEM Staff | JJACKSON 7/12/2024 Keyrock Environment LLC -King Station 777-48008-05582 (final) | | | AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING |
| Name and address of Sender |  | Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204 | Type of Mail: CERTIFICATE OF MAILING ONLY | |

| Line | Article Number | Name, Address, Street and Post Office Address | Postage | Handling Charges | Act. Value (If Registered) | Insured Value | Due Send if COD | R.R. Fee | S.D. Fee | S.H. Fee | Rest. Del. Fee Remarks |
|------|----------------|--|---------|------------------|----------------------------|---------------|-----------------|----------|----------|----------|---------------------------|
| 1 | | Joe Lane Keyrock Environment LLC King Station 153 Jackson Ave Madison WV 25130 (Source CAATS) Sent Via UPS Campus Ship | | | | | | | | | |
| 2 | | Mark Allaman Managing Director Keyrock Environment LLC -King Station PO Box 2223 Johnson City TN 37605 (RO CAATS) | | | | | | | | | |
| 3 | | Gibson County District 2 Commissioner 101 N Main Princeton IN 476 (Affected Party) | | | | | | | | | |
| 4 | | Princeton City Council and Mayors Office 310 W State St Princeton IN 47670 (Local Official) | | | | | | | | | |
| 5 | | Gibson County Health Department 203 S Prince St, Ste A Princeton IN 47670 (Health Department) | | | | | | | | | |
| 6 | | Gibson County Commissioners Courthouse Annex North, 225 N Hart St Princeton IN 47670 (Local Official) | | | | | | | | | |
| 7 | | Mr. Mark Wilson Evansville Courier & Press PO Box 288 Evansville IN 47702-0288 (Affected Party) | | | | | | | | | |
| 8 | | David Boggs 216 Western Hills Dr Mount Vernon IN 47620 (Affected Party) | | | | | | | | | |
| 9 | | Toyota Motor Manufacturing 4000 Tulip Tree Dr Princeton IN 47670 (Affected Party) | | | | | | | | | |
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