



Cokenergy LLC

3210 Watling Street MC 2-991
East Chicago, IN 46312

January 4, 2019

Indiana Department of Environmental Management
Permit Administration and Support Section
Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

Subject: Minor Permit Modification – Annual Bypass Venting Limit and Flow Monitor Installation
Cokenergy, LLC T089-38695-00383

To Whom It May Concern:

Cokenergy, LLC (Cokenergy) located in East Chicago, Indiana, in Lake County, operates a heat recovery facility that recovers waste heat from an adjacent coal carbonization facility (Indiana Harbor Coke Company or IHCC) to produce steam and electricity. The steam and electricity are supplied to an adjacent steel mill (ArcelorMittal USA).

BACKGROUND

The United States District Court for the Northern District of Indiana entered Civil Action No. 18-cv-35 (Consent Decree) with an effective date of October 25, 2018. The Consent Decree is available on the IDEM website at https://www.in.gov/idem/airquality/files/indiana_harbor_cd.pdf. Per paragraph 27.a. of the Consent Decree (CD) and in accordance with 326 IAC 2-7-12, SunCoke Energy (SunCoke) and Cokenergy have 90 days after the effective date to submit an application to the Indiana Department of Environmental Management (IDEM) to incorporate certain requirements of the CD into their respective Title V Operating Permits. Cokenergy is requesting a minor permit modification to incorporate annual bypass venting limits and the requirement to operate and maintain a permanent flow monitor into the permit.

The annual bypass venting limits provided in Paragraph 14 of the CD:

- a. *From January 1, 2017, through December 31, 2019, a maximum of 12% of the Coke Oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the Bypass Vent Stacks, as determined on an annual basis.*
- b. *Beginning January 1, 2020, a maximum of 13% of the Coke Oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the Bypass Vent Stacks, as determined on an annual basis.*
- c. *Exception to Paragraph 14.b. Beginning on January 1, 2020, if Cokenergy undertakes HRSG Retubing, then in that calendar year a maximum of 14% of the Coke Oven waste gases leaving*

the common tunnel shall be allowed to be vented to the atmosphere through the Bypass Vent Stacks, as determined on an annual basis, provided the Bypass Venting Percentage resulting from HRSG retubing accounts for at least 3.25% annual Bypass Venting. Bypass Venting resulting from tube leaks, inspections, routine cleaning or maintenance, or unplanned HRSG Outages shall not count in calculating the Bypass Venting Percentage resulting from HRSG Retubing.

To incorporate the annual bypass venting limits listed above into the Cokenergy permit, *Section D.1.2 Lake County Sulfur Dioxide Emission Limitations [326 IAC 7-4.1-7]* will need to be modified. The proposed modification is provided in Attachment A.

The permanent flow monitor is addressed in Paragraph 19 of the CD:

Permanent Flow Monitor. As soon as practicable, but no later than ninety (90) Days after the Effective Date of this Consent Decree, Cokenergy shall install, operate, and maintain a permanent flow monitor to continuously measure the flow rate in the Main Stack.

Cokenergy has installed the permanent flow monitor on June 12, 2018 and completed the initial certification testing on September 12, 2018. IDEM notified us on November 16, 2018 that the new flow monitoring system had successfully demonstrated compliance with the requirements of *Performance Specification (PS) 6 of 40 CFR 60, Appendix B* and is certified for use.

To incorporate the permanent flow monitor into the Cokenergy permit, *Section D.1.9 Sulfur Dioxide Monitoring [326 IAC 3-5]* will need to be modified. The proposed modification is provided in Attachment A.

CLOSING

Cokenergy is requesting a minor permit modification pursuant to 326 IAC 2-7-12 to incorporate annual bypass venting limits and the installation, operation and maintenance of a permanent flow monitor into the Cokenergy permit. 326 IAC 2-7-12(b)(1) provides that minor permit modifications may be used only for those permit modifications that meet the following requirements:

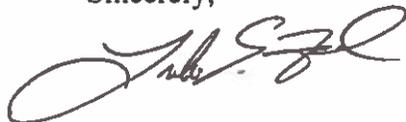
- 1) The change does not violate any applicable requirement;
- 2) The change does not involve significant changes to existing monitoring, reporting or recordkeeping requirements;
- 3) The change does not seek to establish or change a Part 70 permit term or condition for which there is no corresponding underlying applicable requirement to which the source would otherwise be subject;
- 4) The change is not a modification under any provision of Title I of the Clean Air Act; and
- 5) The changes are not required by the Part 70 program to be processed as a significant modification.

The applicable state forms for this minor modification are included in Attachment B.

Cokenergy has also filed a request for commencement of rulemaking to modify the Lake County SO2 SIP Cokenergy, Inc. and Indiana Harbor Coke Company on December 18, 2018 to support the minor permit modifications and as required in Paragraph 27.b. of the consent decree. A copy of the request is included in Attachment C.

If you have any questions regarding this permit modification, please contact me at (219) 397-4626 or email at lford@primaryenergy.com.

Sincerely,



Luke E. Ford
Director EH&S
Primary Energy

cc:
Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Box 7611, Ben Franklin Station
Washington, DC 20044-7611
Re: DOJ No. 90-5-2-1-08555/1

Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency – Region 5
77 West Jackson Blvd. AE-18J
Chicago, IL 60604-3590

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

Air Enforcement Division Director
U.S. Environmental Protection Agency
Office of Civil Enforcement
Air Enforcement Division
U.S. Environmental Protection Agency
1200 Pennsylvania Ave, NW Mail Code: 2242A
Washington, DC 20460

Susan Tennenbaum
U.S. Environmental Protection Agency - Region 5
C-14J
77 West Jackson Blvd
Chicago, IL 60640

Elizabeth A. Zlatos
Indiana Department of Environmental Management
Office of Legal Counsel
100 North Senate Avenue
MC-60-01, IGCN 1307
Indianapolis, IN 46204-2251

East Chicago Public Library
2401 E. Columbus Drive
East Chicago, Indiana 46312

East Chicago Public Library
1008 W. Chicago Avenue
East Chicago, Indiana 46312

Electronic Copies to:
R5airenforcement@epa.gov
tennenbaum.susan@epa.gov
bzlatos@idem.in.gov
JLKIRBY@suncoke.com
KMBATTEN@SUNCOKE.COM

file: X:// 672

ATTACHMENT A
Proposed Modifications

D.1.2 Lake County Sulfur Dioxide Emission Limitations [326 IAC 7-4.1-7] [326 IAC 7-4.1-8]

Pursuant to 326 IAC 7-4.1-7 and 326 IAC 7-4.1-8 (Sulfur Dioxide Emission Limitations), the source shall comply with the sulfur dioxide emission limit in pounds per hour for the heat recovery coke carbonization waste gas stack, identified as Stack ID 201, combined with the sixteen (16) vents from the Indiana Harbor Coke Company of a twenty-four (24) hour average emission rate of one thousand six hundred fifty-six (1,656) pounds per hour. On an annual (calendar year) basis, the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere and shall be limited to:

- (1) A maximum of 12 percent (12%) from January 1, 2017, through December 31, 2019.
- (2) A maximum of 13 percent (13%) beginning January 1, 2020, excluding events described in D.1.2(3).
- (3) Beginning on January 1, 2020, if Cokenergy, LLC undertakes heat recovery steam generator (HRSG) retubing, then in that calendar year a maximum of fourteen percent (14%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere as determined on an annual (calendar year) basis, provided the bypass venting percentage resulting from HRSG retubing accounts for at least 3.25% annual bypass venting. Bypass venting resulting from tube leaks, inspections, routine cleaning and maintenance, or unplanned HRSG outages shall not count in calculating the bypass venting percentage resulting from HRSG retubing.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.9 Sulfur Dioxide Monitoring [326 IAC 3-5] [326 IAC 7-4.1-7]

- (a) Pursuant to Significant Permit Modification No. 089-14243-00383, issued November 30, 2001, and 326 IAC 3-5 (Continuous Monitoring of Emissions), the Permittee shall calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for measuring SO₂ and O₂ concentrations and install, operate, and maintain a continuous flow monitoring system to allow for the calculation of SO₂ pound per hour emission rate on a 24-hour average basis downstream of the lime spray dryer and the baghouse on Stack ID 201 and shall record the output of the systems. The Permittee shall provide recordkeeping and reporting pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7. The output from CEMS shall be available to Indiana Harbor Coke Company for utilization in the emission tracking program that calculates the combined emissions of sulfur dioxide.

- (b) Cokenergy, LLC shall maintain the lime feed rate to the Flue Gas Desulfurization unit at the same or higher rate it was operating at the time of a CEMS breakdown until such time as the CEM is returned to service.
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ATTACHMENT B

State Forms



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

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:	
DATE APPLICATION WAS RECEIVED:	

1. Tax ID Number: 35-1999365

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: Cokenergy, LLC 3. Plant ID: 089 -- 00383

4. Billing Address: 3210 Watling Street MC 2-991

City: East Chicago State: IN ZIP Code: 46312 --

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):

- 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.

Keith C. Kaufman
Name (typed)


Signature

General Manager
Title

01/04/2019
Date



**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
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

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.

PART A: Source / Company Location Information			
1. Source / Company Name: Cokenergy, LLC		2. Plant ID: 089 – 00383	
3. Location Address: 3210 Watling Street, MC 2-991			
City: East Chicago	State: IN	ZIP Code: 46312 –	
4. County Name: Lake		5. Township Name: North	
6. Geographic Coordinates:			
Latitude: 41.679		Longitude: -87.4159	
7. Universal Transferal Mercadum Coordinates (if known):			
Zone: 16	Horizontal: 465386	Vertical: 4614228	
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 checked="" 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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes – Indicate Nonattainment Pollutant(s): <input type="checkbox"/> CO <input type="checkbox"/> Pb <input type="checkbox"/> NO _x <input checked="" type="checkbox"/> O ₃ <input type="checkbox"/> PM <input type="checkbox"/> PM ₁₀ <input type="checkbox"/> PM _{2.5} <input type="checkbox"/> SO ₂			
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 checked="" type="checkbox"/> No <input 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: Luke E. Ford

19. Title (optional): Director EH&S

20. Mailing Address: 3210 Watling Street, MC 2-991

City: East Chicago

State: IN

ZIP Code: 46312 -

21. Electronic Mail Address (optional): lford@primaryenergy.com

22. Telephone Number: (219) 397 - 4626

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: Keith C. Kaufman

25. Title: General Manager

26. Mailing Address: 3210 Watling Street, MC 2-991

City: East Chicago

State: IN

ZIP Code: 46312 -

27. Telephone Number: (219) 354 - 5009

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: Primary Energy Recycling Corporation

31. Name of Owner Contact Person: Luke E. Ford

32. Mailing Address: 2215 York Road, Suite 202

City: Oak Brook

State: IL

ZIP Code: 60523 -

33. Telephone Number: (219) 397 - 4626

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: AECOM

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

42. Name of Agent Contact Person: John Carson

43. Mailing Address: 105 Mitchell Road, Suite 200

City: Oak Ridge	State: TN	ZIP Code: 37830 -
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44. Electronic Mail Address (optional): john.r.carson@aecom.com

45. Telephone Number: (865) 425 - 7014 **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: Within 10 days of application submittal

49. Name of Library: East Chicago Public Library

50. Name of Librarian (optional):

51. Mailing Address: 2401 East Columbus Drive

City: East Chicago	State: IN	ZIP Code: 46312 -
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52. Internet Address (optional):

53. Electronic Mail Address (optional):

54. Telephone Number: (219) 397 - 2453 **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
NA	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 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
Heat recovery from coal carbonization	steam & electricity	4911	221112

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
36965	ES220, ES221, ES222, ES201a (FGD unit with baghouse that exhaust through Stack 201)	11/14/2021

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
	NA			

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
			NA			

ATTACHMENT C

Cokenergy SIP Revision Request



Cokenergy LLC

3210 Watling Street MC 2-991
East Chicago, IN 46312

December 18, 2018

Keith Baugues
Assistant Commissioner
Indiana Department of Environmental Management
Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 46204-2251

Nancy King
Assistant Commissioner
Indiana Department of Environmental Management
Office of Legal Counsel
100 North Senate Avenue
Indianapolis, IN 46204-2251

RE: Application for Site-Specific Revision to Indiana State Implementation Plan

Dear Mr. Baugues and Ms. King:

Indiana Harbor Coke Company ("IHCC") and Cokenergy, LLC ("Cokenergy") hereby apply for a site-specific revision to the Indiana State Implementation Plan ("SIP") at 326 IAC 7-4.1-7 and 326 IAC 7-4.1-8 pursuant to Paragraph 27.b of the consent decree between the United States, the State of Indiana, IHCC, SunCoke Energy, Inc., and Cokenergy entered in the United States District Court for the Northern District of Indiana (Case No.: 2:18-cv-00035) on October 25, 2018 ("Consent Decree").

The Consent Decree requires that the Indiana SIP be modified to incorporate: (1) the annual bypass venting limits in Paragraph 14 of the Consent Decree; and (2) the requirement to operate and maintain a permanent flow monitor in Paragraph 19 of the Consent Decree (for Cokenergy only). We have attached a markup of the SIP with proposed changes consistent with these requirements and a copy of the Consent Decree. The Consent Decree is also available on the IDEM website at https://www.in.gov/idem/airquality/files/indiana_harbor_cd.pdf.

We appreciate IDEM's assistance with this rulemaking effort. If you have any questions, please contact me at (219) 397-4626 or lford@primaryenergy.com.

Sincerely,

Luke E. Ford
Director EH&S
Primary Energy

attachments

326 IAC 7-4.1-7 Cokenergy Inc. sulfur dioxide emission limitations

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 7. (a) Cokenergy Inc., Source Identification Number 00383, shall comply with the sulfur dioxide emission limit in pounds per hour for the heat recovery coke carbonization waste gas stack, identified as Stack ID 201, combined with the sixteen (16) vents from the Indiana Harbor Coke Company of a twenty-four (24) hour average emission rate of one thousand six hundred fifty-six (1,656) pounds per hour.

(b) Cokenergy shall install, operate, and maintain a permanent flow monitor to continuously measure the flow rate in Stack ID 201.

(c) A maximum of twelve percent (12%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the bypass vent stacks on an annual basis from January 1, 2017 through December 31, 2019. A maximum of thirteen percent (13%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the bypass vent stacks on an annual basis beginning on January 1, 2020. Beginning on January 1, 2020, if Cokenergy undertakes heat recovery steam generator (HRSG) retubing, then in that calendar year a maximum of 14% of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the bypass vent stacks, as determined on an annual basis, provided the bypass venting percentage resulting from HRSG retubing accounts for at least 3.25% annual bypass venting. Bypass venting resulting from tube leaks, inspections, routine cleaning or maintenance, or unplanned HRSG outages shall not count in calculating the bypass venting percentage resulting from HRSG retubing. (Air Pollution Control Division; 326 IAC 7-4.1-7; filed May 25, 2005, 10:50 a.m.: 28 IR 2957)

326 IAC 7-4.1-8 Indiana Harbor Coke Company sulfur dioxide emission limitations

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 8. (a) Indiana Harbor Coke Company (IHCC), Source Identification Number 00382, shall comply with the sulfur dioxide emission limits in pounds per ton, pounds per hour, and other requirements as follows:

Emissions Unit Description	Emission Limit lbs/ton	Emission Limit lbs/hour
(1) IHCC Coal Carbonization Charging	0.0068 each	1.57 total
(2) IHCC Coal Carbonization Pushing	0.0084	1.96
(3) IHCC Coal Carbonization Quenching	0.0053	1.232 total
(4) IHCC Coal Carbonization Thaw Shed	0.0006 lbs/1,000 cubic feet natural gas	0.015
(5) IHCC Vent Stacks (16 total) in combination with Cokenergy's heat recovery coke carbonization waste gas stack identified as Stack ID 201		1,656 total for a 24 hour average

(b) The coke ovens shall recycle the gases emitted during the coking process and utilize it as the only fuel source for the ovens during normal operations. The gases shall not be routed directly to the atmosphere unless they first pass through the common tunnel afterburner. A maximum of nineteen percent (19%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere on a twenty-four (24) hour basis and fourteen percent (14%) on an annual basis.

(c) A maximum of twelve percent (12%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the bypass vent stacks on an annual basis from January 1, 2017 through December 31, 2019. A maximum of thirteen percent (13%) of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the bypass vent stacks on an annual basis beginning on January 1, 2020. Beginning on January 1, 2020, if Cokenergy undertakes heat recovery steam generator (HRSG) retubing, then in that calendar year a maximum of 14% of the coke oven waste gases leaving the common tunnel shall be allowed to be vented to the atmosphere through the bypass vent stacks, as determined on an annual basis, provided the bypass venting percentage resulting from HRSG retubing accounts for at least 3.25% annual bypass venting. Bypass venting resulting from tube leaks, inspections, routine cleaning or maintenance, or unplanned HRSG outages shall not count in calculating the bypass venting percentage resulting from HRSG retubing. (Air Pollution Control Division; 326 IAC 7-4.1-8; filed May 25, 2005, 10:50 a.m.: 28 IR 2957)