



1851 Main Street, P.O. Box 670, Follansbee, WV 26037

July 29, 2015

3.2.2.2

Via E-Mail (Beverly.D.Mckeone@wv.gov) and U.S. Mail

Beverly D. McKeone
NSR Program Manager
West Virginia Department of Environmental Protection ("DEP")
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304

SUBJECT: Mountain State Carbon, LLC
Application for Permit Revision for Permit R13-2548A

Dear Ms. McKeone:

Mountain State Carbon, LLC ("MSC") operates a metallurgical coke manufacturing facility in Follansbee, West Virginia under Title V permit no. R30-00900002-2010/2015. MSC's Title V permit is currently in the renewal process with DEP, and as part of that process MSC has proposed a number of changes to the Title V permit that implicate underlying Regulation 13 permits, including R13-2548A. Accordingly, MSC requests an administrative update to R13-2548A to include changes that MSC has already proposed to DEP in its comments on the Title V renewal permit.

In accordance with W. Va. Code St. R. 45-13-4, MSC hereby requests a Class II administrative update for R13-2548A. MSC will place a legal advertisement in a newspaper of general circulation regarding the proposed change pursuant to W. Va. Code St. R. 45-13-8.3. MSC has enclosed a permit revision application and attachments and a permit application fee of \$300, in accordance with W. Va. Code St. R. 45-13-4.4. As mentioned, for Title V permit purposes, MSC has requested that the Title V permit be revised to include the proposed changes through the renewal process, and therefore does not seek a formal Title V permit revision here.

Below are the conditions of the Regulation 13 permit to be revised, followed in parentheses by the analogous condition of the redlined version of the draft Title V permit that MSC submitted to DEP on June 16, 2015. An explanation of the change and requested redlined permit language follow.

Condition 4.1.2 (Title V Permit Condition 6.1.18):

~~“4.1.2 Reserved. The throughput of coke into the Station 2 Screen shall not exceed 125 tons per hour nor 100,000 tons per year. Compliance with the throughput limit shall be determined using a rolling 12-month total.”~~

Condition 4.2.1 (Title V Permit Condition 6.2.3):

“4.2.1 For the purposes of determining compliance with maximum throughput limits set forth in 4.1.1 ~~and 4.1.2~~ the permittee shall monitor the amount of coke through the Station one ~~and Station two~~ screens as follows:

4.2.1.1 The permittee must designate equipment that will be used for loading the screeners and state the bucket capacity in cubic feet. If more than one piece of equipment will be used to load the screens, an initial average (10 scoops) must be obtained for each and, if there is a 10% or greater difference in weight, separate records must be kept for each piece of equipment. If the difference in weight is less than 10% combined records may be kept.

4.2.1.2 The permittee must keep records of any change in equipment or bucket capacity, including the date of such changes.

4.2.1.3 ~~Within 60 days of the issuance of this permit, T~~the permittee must ~~obtain~~ establish the average weight of 10 scoops taken ~~within one week~~. Obtaining this 10 scoop average shall be coordinated with DAQ permitting and enforcement to allow an opportunity for representatives of either or both to be present during any loading and weighing.

4.2.1.4 Following successful completion of section 4.2.1.3 of this permit, the permittee must obtain the weight of two scoops per week for a month. If the average weight of any two-scoop weighing exceeds the 10 scoop average by more than 10%, the permittee must reestablish the 10 scoop average as outlined in section 4.2.1.3 of this permit.

4.2.1.5 Following successful completion of section 4.2.1.4 of this permit, the permittee shall continue to obtain the weight of two scoops per quarter. If the average weight of any two-scoop weighing exceeds the 10 scoop average obtained by section 4.2.1.4 of this permit by more than 10%, the permittee shall reestablish the 10 scoop average as outlined in section 4.2.1.4 of this permit and then repeat section 4.2.1.4 of this permit.”

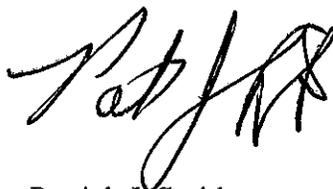
Condition 4.4.4 (Title V Permit Condition 6.4.3):

Beverly D. McKeone
July 29, 2015
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“4.4.4 For the purposes of determining compliance with maximum throughput limits set forth in 4.1.1 and 4.1.2 and the monitoring requirement set forth in 4.2.1 the permittee shall maintain certified daily and monthly records of the amount of coke through the Station 1 and Station 2 screens. ~~Commencing with the date of transfer for the operating permit for this source, Ssuch~~ records shall be retained on-site by the permittee for at least five (5) years and shall be made available to the Director or his duly authorized representative upon request. Further, the records for the 10 scoop averaging must be maintained for the duration of the use of that number, even if beyond 5 years.”

If you need further clarification or information on these requested revisions, please contact me by phone at (304) 527-5676, or via email at Patrick.Smith@mscarbonllc.com. Thank you for working with MSC to expedite the revisions to this Regulation 13 permit.

Sincerely,



Patrick J. Smith
Environmental Manager

/Enclosures

VOUCHER NUMBER	INVOICE DATE	VEN. INVOICE NO.	AMOUNT	CASH DISCOUNT	NET AMOUNT
	072715	R13-2548A	300.00	0	300.00

IN PAYMENT OF ABOVE ITEMS

AMOUNT OF CHECK

300.00

DETACH BEFORE DEPOSITING

MOUNTAIN STATE CARBON, LLC

9016860

1851 MAIN STREET • P.O. BOX 670 • FOLLANSBEE, WEST VIRGINIA 26037

56-382
412

MSC-01 (10-12)

WorldflowOne 412-741-6376

98198

DATE			AMOUNT		
07	29	15	\$	*****	300.00

PAY EXACTLY 300 DOLLARS AND 00 CENTS

PAY TO THE ORDER OF
 WVDEP DIV OF AIR QUALITY
 601 57TH ST
 CHARLESTON, WV 25304

Wells Fargo Bank, N.A. VOID AFTER 60 DAYS

THIS DOCUMENT CONTAINS COLORED BACKGROUND ON WHITE PAPER, VOID ANTI COPY FEATURE, SIMULATED WATERMARK ON REVERSE SIDE AND MICRO PRINTED ENDORSEMENT LINES ON REVERSE SIDE.

⑈9016860⑈ ⑆041203824⑆ 9600162829⑈

REGULATION 13

CLASS II ADMINISTRATIVE UPDATE APPLICATION FOR

PERMIT R13-2548A

MOUNTAIN STATE CARBON, LLC

General Applicant Information.....SECTION I - III
Business Certificate.....ATTACHMENT A
Public Notice.....ATTACHMENT P



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY

601 57th Street, SE
Charleston, WV 25304
(304) 926-0475
www.dep.wv.gov/daq

**APPLICATION FOR NSR PERMIT
AND
TITLE V PERMIT REVISION
(OPTIONAL)**

PLEASE CHECK ALL THAT APPLY TO NSR (45CSR13) (IF KNOWN):

- CONSTRUCTION MODIFICATION RELOCATION
 CLASS I ADMINISTRATIVE UPDATE TEMPORARY
 CLASS II ADMINISTRATIVE UPDATE AFTER-THE-FACT

PLEASE CHECK TYPE OF 45CSR30 (TITLE V) REVISION (IF ANY):

- ADMINISTRATIVE AMENDMENT MINOR MODIFICATION
 SIGNIFICANT MODIFICATION

IF ANY BOX ABOVE IS CHECKED, INCLUDE TITLE V REVISION INFORMATION AS ATTACHMENT S TO THIS APPLICATION

FOR TITLE V FACILITIES ONLY: Please refer to Title V Revision Guidance in order to determine your Title V Revision options (Appendix A: Title V Permit Revision Flowchart) and ability to operate with the changes requested in this Permit Application.

Section I. General

1. Name of applicant (as registered with the WV Secretary of State's Office):

Mountain State Carbon, LLC

2. Federal Employer ID No. (FEIN):

20-2840611

3. Name of facility (if different from above):

4. The applicant is the:

- OWNER OPERATOR BOTH

5A. Applicant's mailing address:

1851 Main Street, Follansbee, WV 26037

5B. Facility's present physical address:

1851 Main Street, Follansbee, WV 26037

6. **West Virginia Business Registration.** Is the applicant a resident of the State of West Virginia? YES NO

⇒ If YES, provide a copy of the **Certificate of Incorporation/Organization/Limited Partnership** (one page) including any name change amendments or other Business Registration Certificate as **Attachment A**.

⇒ If NO, provide a copy of the **Certificate of Authority/Authority of L.L.C./Registration** (one page) including any name change amendments or other Business Certificate as **Attachment A**.

7. If applicant is a subsidiary corporation, please provide the name of parent corporation: AK Steel Corporation

8. Does the applicant own, lease, have an option to buy or otherwise have control of the *proposed site*? YES NO

⇒ If YES, please explain:

⇒ If NO, you are not eligible for a permit for this source.

9. Type of plant or facility (stationary source) to be **constructed, modified, relocated, administratively updated or temporarily permitted** (e.g., coal preparation plant, primary crusher, etc.):

Metallurgical Coke Manufacturing

10. North American Industry Classification System (NAICS) code for the facility:

324199

11A. DAQ Plant ID No. (for existing facilities only):

09 - 00002

11B. List all current 45CSR13 and 45CSR30 (Title V) permit numbers associated with this process (for existing facilities only):

R130-0090, R13-1652, R13-1939A, R132591D, 413-2632, R13-2772, R13-2798, R13-2548A, R30-00900002-2010/2015

All of the required forms and additional information can be found under the Permitting Section of DAQ's website or requested by phone.

<p>12A.</p> <p>⇒ For Modifications, Administrative Updates or Temporary permits at an existing facility, please provide directions to the <i>present location</i> of the facility from the nearest state road;</p> <p>⇒ For Construction or Relocation permits, please provide directions to the <i>proposed new site location</i> from the nearest state road. Include a MAP as Attachment B.</p> <p>One mile north of Follansbee on West Virginia Route 2, along the eastern bank of the Ohio River.</p>		
12.B. New site address (if applicable): n/a	12C. Nearest city or town: Follansbee	12D. County: Brooke
12.E. UTM Northing (KM): 4465.78	12F. UTM Easting (KM): 533.41	12G. UTM Zone: 17
<p>13. Briefly describe the proposed change(s) at the facility:</p> <p>None. The changes are administrative updates identified in the attached cover letter.</p>		
14A. Provide the date of anticipated installation or change: / / n/a ⇒ If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: / /	14B. Date of anticipated Start-Up if a permit is granted: n/a / /	
14C. Provide a Schedule of the planned Installation of/Change to and Start-Up of each of the units proposed in this permit application as Attachment C (if more than one unit is involved). n/a		
15. Provide maximum projected Operating Schedule of activity/activities outlined in this application: n/a Hours Per Day Days Per Week Weeks Per Year		
16. Is demolition or physical renovation at an existing facility involved? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
17. Risk Management Plans. If this facility is subject to 112(r) of the 1990 CAAA, or will become subject due to proposed changes (for applicability help see www.epa.gov/ceppo), submit your Risk Management Plan (RMP) to U. S. EPA Region III.		
18. Regulatory Discussion. List all Federal and State air pollution control regulations that you believe are applicable to the proposed process (<i>if known</i>). A list of possible applicable requirements is also included in Attachment S of this application (Title V Permit Revision Information). Discuss applicability and proposed demonstration(s) of compliance (<i>if known</i>). Provide this information as Attachment D . n/a		
Section II. Additional attachments and supporting documents.		
19. Include a check payable to WVDEP – Division of Air Quality with the appropriate application fee (per 45CSR22 and 45CSR13).		
20. Include a Table of Contents as the first page of your application package.		
21. Provide a Plot Plan , e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is or is to be located as Attachment E (Refer to Plot Plan Guidance).		
⇒ Indicate the location of the nearest occupied structure (e.g. church, school, business, residence).		
22. Provide a Detailed Process Flow Diagram(s) showing each proposed or modified emissions unit, emission point and control device as Attachment F .		
23. Provide a Process Description as Attachment G .		
⇒ Also describe and quantify to the extent possible all changes made to the facility since the last permit review (if applicable).		
All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone		

24. Provide **Material Safety Data Sheets (MSDS)** for all materials processed, used or produced as **Attachment H**.
 ⇨ For chemical processes, provide a MSDS for each compound emitted to the air.

25. Fill out the **Emission Units Table** and provide it as **Attachment I**.

26. Fill out the **Emission Points Data Summary Sheet (Table 1 and Table 2)** and provide it as **Attachment J**.

27. Fill out the **Fugitive Emissions Data Summary Sheet** and provide it as **Attachment K**.

28. Check all applicable **Emissions Unit Data Sheets** listed below:

<input type="checkbox"/> Bulk Liquid Transfer Operations	<input type="checkbox"/> Haul Road Emissions	<input type="checkbox"/> Quarry
<input type="checkbox"/> Chemical Processes	<input type="checkbox"/> Hot Mix Asphalt Plant	<input type="checkbox"/> Solid Materials Sizing, Handling and Storage Facilities
<input type="checkbox"/> Concrete Batch Plant	<input type="checkbox"/> Incinerator	<input type="checkbox"/> Storage Tanks
<input type="checkbox"/> Grey Iron and Steel Foundry	<input type="checkbox"/> Indirect Heat Exchanger	
<input type="checkbox"/> General Emission Unit, specify		

Fill out and provide the **Emissions Unit Data Sheet(s)** as **Attachment L**.

29. Check all applicable **Air Pollution Control Device Sheets** listed below:

<input type="checkbox"/> Absorption Systems	<input type="checkbox"/> Baghouse	<input type="checkbox"/> Flare
<input type="checkbox"/> Adsorption Systems	<input type="checkbox"/> Condenser	<input type="checkbox"/> Mechanical Collector
<input type="checkbox"/> Afterburner	<input type="checkbox"/> Electrostatic Precipitator	<input type="checkbox"/> Wet Collecting System
<input type="checkbox"/> Other Collectors, specify		

Fill out and provide the **Air Pollution Control Device Sheet(s)** as **Attachment M**.

30. Provide all **Supporting Emissions Calculations** as **Attachment N**, or attach the calculations directly to the forms listed in Items 28 through 31.

31. **Monitoring, Recordkeeping, Reporting and Testing Plans.** Attach proposed monitoring, recordkeeping, reporting and testing plans in order to demonstrate compliance with the proposed emissions limits and operating parameters in this permit application. Provide this information as **Attachment O**.

➤ Please be aware that all permits must be practically enforceable whether or not the applicant chooses to propose such measures. Additionally, the DAQ may not be able to accept all measures proposed by the applicant. If none of these plans are proposed by the applicant, DAQ will develop such plans and include them in the permit.

32. **Public Notice.** At the time that the application is submitted, place a **Class I Legal Advertisement** in a newspaper of general circulation in the area where the source is or will be located (See 45CSR§13-8.3 through 45CSR§13-8.5 and **Example Legal Advertisement** for details). Please submit the **Affidavit of Publication** as **Attachment P** immediately upon receipt.

33. **Business Confidentiality Claims.** Does this application include confidential information (per 45CSR31)?
 YES NO

➤ If **YES**, identify each segment of information on each page that is submitted as confidential and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's "**Precautionary Notice – Claims of Confidentiality**" guidance found in the **General Instructions** as **Attachment Q**.

Section III. Certification of Information

34. **Authority/Delegation of Authority.** Only required when someone other than the responsible official signs the application. Check applicable **Authority Form** below:

<input type="checkbox"/> Authority of Corporation or Other Business Entity	<input type="checkbox"/> Authority of Partnership
<input type="checkbox"/> Authority of Governmental Agency	<input type="checkbox"/> Authority of Limited Partnership

Submit completed and signed **Authority Form** as **Attachment R**.

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

35A. **Certification of Information.** To certify this permit application, a Responsible Official (per 45CSR§13-2.22 and 45CSR§30-2.28) or Authorized Representative shall check the appropriate box and sign below.

Certification of Truth, Accuracy, and Completeness

I, the undersigned **Responsible Official** / **Authorized Representative**, hereby certify that all information contained in this application and any supporting documents appended hereto, is true, accurate, and complete based on information and belief after reasonable inquiry I further agree to assume responsibility for the construction, modification and/or relocation and operation of the stationary source described herein in accordance with this application and any amendments thereto, as well as the Department of Environmental Protection, Division of Air Quality permit issued in accordance with this application, along with all applicable rules and regulations of the West Virginia Division of Air Quality and W.Va. Code § 22-5-1 et seq. (State Air Pollution Control Act). If the business or agency changes its Responsible Official or Authorized Representative, the Director of the Division of Air Quality will be notified in writing within 30 days of the official change.

Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

SIGNATURE  (Please use blue ink) DATE: 7/27/15 (Please use blue ink)

35B. Printed name of signee: Lawrence R. Hermes 35C. Title: Vice President and CFO

35D. E-mail: lawrence.hermes@mscarbonllc.com 36E. Phone: (304) 527-5697 36F. FAX: (304) 527-5635

36A. Printed name of contact person (if different from above): Patrick Smith 36B. Title: Environmental Manager

36C. E-mail: Patrick.Smith@mscarbonllc.com 36D. Phone: (304) 527-5676 36E. FAX: (304) 527-5635

PLEASE CHECK ALL APPLICABLE ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION!

- | | |
|---|---|
| <input checked="" type="checkbox"/> Attachment A: Business Certificate | <input type="checkbox"/> Attachment K: Fugitive Emissions Data Summary Sheet |
| <input type="checkbox"/> Attachment B: Map(s) | <input type="checkbox"/> Attachment L: Emissions Unit Data Sheet(s) |
| <input type="checkbox"/> Attachment C: Installation and Start Up Schedule | <input type="checkbox"/> Attachment M: Air Pollution Control Device Sheet(s) |
| <input type="checkbox"/> Attachment D: Regulatory Discussion | <input type="checkbox"/> Attachment N: Supporting Emissions Calculations |
| <input type="checkbox"/> Attachment E: Plot Plan | <input type="checkbox"/> Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans |
| <input type="checkbox"/> Attachment F: Detailed Process Flow Diagram(s) | <input checked="" type="checkbox"/> Attachment P: Public Notice |
| <input type="checkbox"/> Attachment G: Process Description | <input type="checkbox"/> Attachment Q: Business Confidential Claims |
| <input type="checkbox"/> Attachment H: Material Safety Data Sheets (MSDS) | <input type="checkbox"/> Attachment R: Authority Forms |
| <input type="checkbox"/> Attachment I: Emission Units Table | <input type="checkbox"/> Attachment S: Title V Permit Revision Information |
| <input type="checkbox"/> Attachment J: Emission Points Data Summary Sheet | <input checked="" type="checkbox"/> Application Fee |

Please mail an original and three (3) copies of the complete permit application with the signature(s) to the DAQ Permitting Section, at the address listed on the first page of this application. Please DO NOT fax permit applications.

FOR AGENCY USE ONLY - IF THIS IS A TITLE V SOURCE:

- Forward 1 copy of the application to the Title V Permitting Group and:
- For Title V Administrative Amendments:
 - NSR permit writer should notify Title V permit writer of draft permit,
- For Title V Minor Modifications:
 - Title V permit writer should send appropriate notification to EPA and affected states within 5 days of receipt,
 - NSR permit writer should notify Title V permit writer of draft permit.
- For Title V Significant Modifications processed in parallel with NSR Permit revision:
 - NSR permit writer should notify a Title V permit writer of draft permit,
 - Public notice should reference both 45CSR13 and Title V permits,
 - EPA has 45 day review period of a draft permit.

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

ATTACHMENT A

State of West Virginia



Certificate

*I, Natalie E. Tennant, Secretary of State of the
State of West Virginia, hereby certify that*

MOUNTAIN STATE CARBON, LLC

was duly authorized under the laws of this state to transact business in West Virginia as a foreign limited liability company on July 11, 2005.

The company is filed as an at-will company, for an indefinite period.

I further certify that the LLC (PLLC) has not been revoked by the State of West Virginia nor has a Certificate of Cancellation been issued.

Therefore, I hereby issue this

CERTIFICATE OF AUTHORIZATION

Validation ID:3WV2C_6EN9H



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
July 17, 2015*

Natalie E. Tennant

Secretary of State

ATTACHMENT P

AIR QUALITY PERMIT NOTICE

Notice of Application

Notice is hereby given that Mountain State Carbon, LLC has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Class II Administrative Update to Permit R13-2548A governing a coke plant located at 1851 Main Street, Follansbee, Brooke County, West Virginia. The latitude and longitude coordinates of the facility are 40.34 and -80.61. The applicant estimates that the potential to discharge Regulated Air Pollutants will not change as a result of the Class II Administrative Update. The facility is currently in operation and the proposed updates to the permit are administrative in nature.

Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, regarding the application for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the ~~XX~~ day of July, 2015.

By: Mountain State Carbon, LLC
Lawrence R. Hermes
Vice President and Chief Financial Officer
1851 Main Street
Follansbee, WV 26037