PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 092017-002
Project Number: 2017-06-006
Installation ID: 013-0047

Parent Company: Continental Coal, Inc.
Parent Company Address: 10801 Mastin Suite 920, Overland Park, Kansas 66210

Installation Name: Foster South Mine
Installation Address: Southeast of Foster, South of Highway U, Foster, MO 64779
Location Information: Bates County, S18 T39N R32W

Application for Authority to Construct was made for: Converting a portable coal processing plant to a stationary plant. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

Standard Conditions (on reverse) are applicable to this permit.

Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

Prepared by
Chad Stephenson
New Source Review Unit

Effective Date
SEP 13 2017

Director or Designee
Department of Natural Resources
STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Enforcement and Compliance Section of the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Enforcement and Compliance Section of the Department’s Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department’s regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of the permit application and this permit and permit review shall be kept at the installation address and shall be made available to Department’s personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit using the contact information below.

Contact Information:
Missouri Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102-0176
(573) 751-4817

The regional office information can be found at the following website:
http://dnr.mo.gov/regions/
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

1. Superseding Condition
The conditions of this permit supersede all special conditions found in the previously issued construction permits 052003-004C and 112003-001C from the Air Pollution Control Program.

2. Generic Plant Designation and Maximum Combined Hourly Design Rate
Foster South Mine has been designated to be a Generic Plant Operation. The combined MHDR of each of the following generic equipment types shall not exceed the rates and numbers listed in Table 1.

Table 1: Generic Equipment

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Combined MHDR</th>
<th>Maximum Number of Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal Breaker</td>
<td>300 tons per hour</td>
<td>1</td>
</tr>
<tr>
<td>Conveyor or Stacker</td>
<td>300 tons per hour</td>
<td>2</td>
</tr>
<tr>
<td>Diesel Engine</td>
<td>300 horsepower</td>
<td>1</td>
</tr>
</tbody>
</table>

3. Generic Plant Equipment Identification Requirement
A. Foster South Mine shall submit the following information to the Air Pollution Control Program's Permitting Section and the Kansas City Regional Office within 15 days of actual startup.

1) A master list of all equipment that will be permitted for use with the generic plant. This master list shall include at minimum the following information for each piece of equipment:
   a) Manufacturer's name
   b) Model number
   c) Serial number
   d) Actual MHDR
   e) Date of manufacture
   f) Any other additional information that is necessary to uniquely identify the equipment.

2) A list of the core equipment that will always be utilized with the generic plant. The core equipment associated with the generic plant shall include at least one primary unit that controls the rate of the process flow (e.g., a primary crusher or primary screen).
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

3) A determination of the applicability of 40 CFR Part 60, Subpart Y, "Standards of Performance for Nonmetallic Mineral Processing Plants" for each piece of equipment indicating whether each piece of equipment is subject to Subpart Y and justification for this determination.

4) Foster South Mine shall notify the Air Pollution Control Program's Permitting Section and the Kansas City Regional Office when new equipment is added to the master list and when core equipment is changed within 30 days of the change.

B. Foster South Mine shall maintain a list of the specific equipment currently being utilized with the generic plant. Any arrangement of the generic plant's equipment must be such that the core equipment is not bypassed in the process flow.

4. Equipment Identification Requirement
Foster South Mine shall maintain easily read permanent markings on each component of the plant. These markings shall be the equipment's serial number or a company assigned identification number that uniquely identifies the individual component.

5. Best Management Practices Requirement
Foster South Mine shall control fugitive emissions from all of the haul roads and vehicular activity areas at this site by performing BMPs as defined in Attachment AA.

6. Annual Emission Limit
A. Foster South Mine shall emit less than 15.0 tons of PM$_{10}$ in any 12-month period from the entire installation described in the following table:

<table>
<thead>
<tr>
<th>Emission Unit ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Truck Loading Raw Material</td>
</tr>
<tr>
<td>2</td>
<td>Loader Unloading Raw Material to Crusher</td>
</tr>
<tr>
<td>3</td>
<td>Coal Crushing</td>
</tr>
<tr>
<td>4</td>
<td>Conveyor</td>
</tr>
<tr>
<td>5</td>
<td>Stacker</td>
</tr>
<tr>
<td>6a</td>
<td>Raw Material Load in Pile</td>
</tr>
<tr>
<td>6b</td>
<td>Raw Material Wind Pile</td>
</tr>
<tr>
<td>6c</td>
<td>Raw Material VA Pile</td>
</tr>
<tr>
<td>7a</td>
<td>Product Wind Pile</td>
</tr>
<tr>
<td>7b</td>
<td>Product VA Pile</td>
</tr>
<tr>
<td>7c</td>
<td>Product Load Out Pile</td>
</tr>
</tbody>
</table>
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

<table>
<thead>
<tr>
<th>No.</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Pit Haul Road</td>
</tr>
<tr>
<td>9</td>
<td>Customer Haul Road</td>
</tr>
<tr>
<td>10</td>
<td>VA Raw Material Mine Face</td>
</tr>
<tr>
<td>11</td>
<td>300 hp Gen Set</td>
</tr>
<tr>
<td>12</td>
<td>Reclaim Work</td>
</tr>
</tbody>
</table>

B. Foster South Mine shall demonstrate compliance with Special Condition 6.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.

7. Moisture Content Testing Requirement
   A. Foster South Mine shall verify that the moisture content of the processed coal is greater than or equal to 6.9 percent by weight.
   
   B. Testing shall be conducted according to the method prescribed by the American Society for Testing Materials (ASTM) D-2216, C-566 or another method approved by the Director.
   
   C. The initial test shall be conducted no later than 45 days after the start of operation. A second test shall be performed the calendar year following the initial test during the months of July or August.
   
   D. The test samples shall be taken from coal that has been processed by the plant.
   
   E. The written analytical report shall include the raw data and moisture content of each sample, the test date and the original signature of the individual performing the test. The report shall be filed on-site or at the Foster South Mine main office within 30 days of completion of the required test.
   
   F. If the moisture content of either of the two tests is less than the moisture content in Special Condition 7.A, another test may be performed within 15 days of the noncompliant test. If the results of that test is less than the moisture content in Special Condition 7.A, Foster South Mine shall either:
      1) Apply for a new permit to account for the revised information, or
      2) Submit a plan for the installation of wet spray devices to the Compliance/Enforcement Section of the Air Pollution Control Program within 10 days of the second noncompliant test. The wet spray devices shall be installed and operational within 40 days of the second noncompliant test.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

8. Fuel Requirement
   A. Foster South Mine shall burn ultra low sulfur diesel fuel in their diesel generator (EU-11) with a sulfur content less than or equal to 15 parts per million by weight.
   B. Foster South Mine shall demonstrate compliance with Special Condition 8.A by obtaining records of the fuel’s sulfur content from the vendor for each shipment of fuel received or by testing each shipment of fuel for the sulfur content in accordance with the method described in 10 CSR 10-6.040 Reference Methods.

9. Record Keeping Requirement
   Foster South Mine shall maintain all records required by this permit for not less than five years and make them available to any Missouri Department of Natural Resources’ personnel upon request.

10. Reporting Requirement
    Foster South Mine shall report to the Air Pollution Control Program, Enforcement/Compliance Section, at AirComplianceReporting@dnr.mo.gov or P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW
Project Number: 2017-06-006
Installation ID Number: 013-0047
Permit Number: 092017-002

Foster South Mine
Southeast of Foster, South of Highway U
Foster, MO 64779

Parent Company:
Continental Coal, Inc.
10801 Mastin Suite 920
Overland Park, Kansas 66210

Bates County, S18 T39N R32W

Complete: June 14, 2017

PROJECT DESCRIPTION

In August 2015, Continental Coal, Inc. submitted a portable source relocation request for PORT-0132 to locate at the Foster South Mine. In May 2016, Continental Coal, Inc. submitted an additional portable source relocation request for PORT-0420 to locate at the Foster South Mine. The two portable plants do not operate concurrently and one serves as a backup. Each plant has a maximum hourly design rate of 300 tons per hour and includes one stacker, one conveyor and a diesel engine to power the equipment. The portable plants will remain at the site for more than the two years authorized by permits 052003-004C and 112003-001C, so a new permit is being issued to categorize them as a stationary plant.

The haul roads at the site will be a maximum of 5,000 feet from the mine to the raw material storage pile and approximately 3,250 feet for the finished product leaving the site.

Due to the size of the crusher, NSPS Subpart "Y" applies to the equipment.

The applicant is using one of the methods described in Attachment AA, "Best Management Practices," to control emissions from haul roads and vehicular activity areas.

This installation is located in Bates County, an attainment area for all criteria pollutants.

This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B). Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability. The installation is
a coal preparation plant and not a coal cleaning plant. The installation does not conduct physical or chemical cleaning to remove impurities such as sulfur and ash from the coal.

TABLES

The following permits have been issued to Foster South Mine from the Air Pollution Control Program.

Table 3: Permit History for Site 013-0047

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>052003-004C</td>
<td>PORT-0132 portable source relocation</td>
</tr>
<tr>
<td>112003-001C</td>
<td>PORT-0420 portable source relocation</td>
</tr>
</tbody>
</table>

The table below summarizes the emissions of this project. The potential emissions of the process equipment, exclude emissions from haul roads and wind erosion. The potential emissions of the application represent the emissions of all equipment and activities assuming continuous operation (8760 hours per year). Conditioned potential emissions account for voluntary annual emission limit below 15.0 tons per year of PM$_{10}$ in order to avoid dispersion modeling requirements. Potential emissions of PM are above de minimis but below major source levels. There are no modeling requirements for PM.
<table>
<thead>
<tr>
<th>Air Pollutant</th>
<th>De Minimis Level/SMAL</th>
<th>(^a^)Potential Emissions of the Application</th>
<th>(^b^)Conditioned Installation Potential Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>219.50</td>
<td>50.28</td>
</tr>
<tr>
<td>PM(_{10})</td>
<td>15.0</td>
<td>65.48</td>
<td>&lt;15.0</td>
</tr>
<tr>
<td>PM(_{2.5})</td>
<td>10.0</td>
<td>18.66</td>
<td>4.27</td>
</tr>
<tr>
<td>SO(_{x})</td>
<td>40.0</td>
<td>2.60</td>
<td>2.60</td>
</tr>
<tr>
<td>NO(_{x})</td>
<td>40.0</td>
<td>39.53</td>
<td>39.53</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>3.23</td>
<td>3.23</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>8.52</td>
<td>8.52</td>
</tr>
<tr>
<td>GHG (CO(_{2})e)</td>
<td>75,000 / 100,000</td>
<td>1,475.23</td>
<td>1,475.23</td>
</tr>
<tr>
<td>GHG (mass)</td>
<td>0.0 / 100.0 / 250.0</td>
<td>1,470.28</td>
<td>1,470.28</td>
</tr>
<tr>
<td>Total HAPs</td>
<td>25.0</td>
<td>0.04</td>
<td>0.04</td>
</tr>
<tr>
<td>Arsenic</td>
<td>0.005</td>
<td>8.92E-05</td>
<td>2.04E-05</td>
</tr>
<tr>
<td>Beryllium</td>
<td>0.008</td>
<td>1.49E-05</td>
<td>3.41E-06</td>
</tr>
<tr>
<td>Cadmium</td>
<td>0.01</td>
<td>4.16E-06</td>
<td>9.53E-07</td>
</tr>
<tr>
<td>Cobalt</td>
<td>0.10</td>
<td>3.33E-05</td>
<td>7.63E-06</td>
</tr>
<tr>
<td>Chromium</td>
<td>5.0</td>
<td>1.01E-04</td>
<td>2.32E-05</td>
</tr>
<tr>
<td>Mercury</td>
<td>0.01</td>
<td>7.14E-07</td>
<td>1.63E-07</td>
</tr>
<tr>
<td>Manganese</td>
<td>0.80</td>
<td>2.68E-04</td>
<td>6.13E-05</td>
</tr>
<tr>
<td>Nickel</td>
<td>1.0</td>
<td>1.31E-04</td>
<td>3.00E-05</td>
</tr>
<tr>
<td>Lead</td>
<td>0.01</td>
<td>1.13E-04</td>
<td>2.59E-05</td>
</tr>
<tr>
<td>Antimony</td>
<td>5.0</td>
<td>7.14E-06</td>
<td>1.63E-06</td>
</tr>
<tr>
<td>Selenium</td>
<td>0.10</td>
<td>1.61E-05</td>
<td>3.68E-06</td>
</tr>
</tbody>
</table>

N/A = Not Applicable; N/D = Not Determined

\(^a^\)Includes haul road and storage pile emissions

\(^b^\)Conditioned potential emissions account for voluntary annual emission limit below 15.0 tons per year of \(\text{PM}_{10}\) in order to avoid dispersion modeling requirements.
EMISSIONS CALCULATIONS

Emissions for the project were calculated using emission factors found in the United States EPA document AP-42 Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition (AP-42).

Emissions from the coal-crushing equipment were calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004. The controlled emission factors were used because the inherent moisture content of the crushed coal is greater than 1.5 % by weight.

Emissions from the diesel generator was calculated using emission factors from AP-42 Section 3.3 Gasoline and Diesel Industrial Engines," October 1996 and Section 3.4 "Large Stationary Diesel and All Stationary Dual-fuel Engines," October 1996 for VOC, HAPs, and PM condensable. PM filterable, NOx, and CO emissions were calculated using emission factors from 40 CFR 89 (Tier 1-3) and 40 CFR 1039 (Tier 4). SO₂ emissions were calculated using a mass balance equation. Greenhouse gasses were calculated using equations form 40 CFR 98, Tables C-1 & C-2, November 29, 2013.

Emissions from haul roads and vehicular activity areas were calculated using the predictive equation from AP-42 Section 13.2.2 "Unpaved Roads," November 2006. A 90% control efficiency for PM and PM₁₀ and a 74% control efficiency for PM₂₅ were applied to the emission calculations for the use of BMPs. Emissions from load-in and load-out of storage piles were calculated using the predictive equation from AP-42 Section 13.2.4. The moisture content of the coal is greater than 6.9% by weight. The silt content used was 6.2%. Emissions from wind erosion of storage piles were calculated using an equation found in the Air Pollution Control Program's Emissions Inventory Questionnaire Form 2.8 "Storage Pile Worksheet."

Emissions from the reclamation activity were calculated using predictive equations from AP-42 Section 11.9 Western Surface Coal Mining for bulldozing overburden. During mine reclamation, overburden is smoothed and contoured. Topsoil is placed over and the land is prepared for revegetation.

HAP emissions from the coal were calculated as a percentage of PM emissions from the coal processes. The HAP content was obtained from U.S. Geological Survey Professional Paper 1625-D Characterization of the Quality of Coals from the Illinois Basin.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of PM₁₀ are conditioned below de minimis level.
APPLICABLE REQUIREMENTS

Foster South Mine shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved.

GENERAL REQUIREMENTS

- No Operating Permit is required for this installation. Fugitive emissions are counted towards Operating Permit applicability since NSPS Y was promulgated before August 7, 1980, however emissions are conditioned below de minimis levels.
- **Start-Up, Shutdown, and Malfunction Conditions**, 10 CSR 10-6.050
- **Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin**, 10 CSR 10-6.170
- **Restriction of Emission of Visible Air Contaminants**, 10 CSR 10-6.220
- **Restriction of Emission of Odors**, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

Please see 40 CFR 60 Subpart III and Subpart Y, *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*, (NSPS III) for complete NSPS requirements. If the engine meets NSPS III, no further requirements apply under the MACT subpart ZZZZ

- MACT subpart ZZZZ applies to the stationary reciprocating internal combustion engine
• Control of Sulfur Dioxide Emissions, 10 CSR 10-6.261 applies to diesel engine. Potential SO₂ emissions are less than 8 lbs per MMbtu input, therefore compliance with the limit in section (3)(B)1. is demonstrated.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required, it is recommended that this permit be granted with special conditions.

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

• The Application for Authority to Construct form, dated May 16, 2017, received June 5, 2017, designating Continental Coal, Inc. as the owner and operator of the installation.

Other sources relied upon:

Attachment A: PM$_{10}$ Annual Emissions Tracking Sheet
Foster South Mine 013-0047
Project Number: 2017-06-006
Permit Number: 092017-002

This sheet covers the period from __________ to __________ (Copy as needed)
(Month, Day Year) (Month, Day Year)

<table>
<thead>
<tr>
<th>Month</th>
<th>Production (tons)</th>
<th>Emission Factor (lb/ton)</th>
<th>Monthly Emissions$^1$ (lbs)</th>
<th>Monthly Emissions$^2$ (tons)</th>
<th>12-Month Total Emissions$^3$ (tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>25,000</td>
<td>0.0498</td>
<td>1,245</td>
<td>0.62</td>
<td>0.62 + previous 11 months</td>
</tr>
</tbody>
</table>

$^1$Multiply the monthly production by the emission factor.
$^2$Divide the monthly emissions (lbs) by 2000.
$^3$Add the monthly emissions (tons) to the sum of the monthly emissions from the previous eleven months. A total of less than 15.0 tons of PM$_{10}$ is necessary for compliance.
Attachment AA: Best Management Practices

Haul roads and vehicular activity areas shall be maintained in accordance with at least one of the following options when the plant is operating.

1. Pavement
   A. The operator shall pave the area with materials such as asphalt, concrete or other materials approved by the Air Pollution Control Program. The pavement will be applied in accordance with industry standards to achieve control of fugitive emissions while the plant is operating.
   B. Maintenance and repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
   C. The operator shall periodically wash or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Application of Chemical Dust Suppressants
   A. The operator shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to unpaved areas.
   B. The quantities of the chemical dust suppressant shall be applied and maintained in accordance with the manufacturer’s recommendation (if available) and in sufficient quantities to achieve control of fugitive emissions from these areas while the plant is operating.
   C. The operator shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator shall keep these records with the plant for not less than five (5) years and make these records available to Department of Natural Resources’ personnel upon request.

3. Application of Water-Documented Daily
   A. The operator shall apply water to unpaved areas. Water shall be applied at a rate of 100 gallons per day per 1,000 square feet of unpaved or untreated surface area while the plant is operating.
   B. Precipitation may be substituted for watering if the precipitation is greater than one quarter of one inch and is sufficient to control fugitive emissions.
   C. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads.
   D. The operator shall record the date, volume of water application and total surface area of active haul roads or the amount of precipitation that day. The operators shall also record the rational for not watering (e.g. freezing conditions or not operating).
   E. The operator shall keep these records with the plant for not less than five (5) years, and the operator shall make these records available to Department of Natural Resources’ personnel upon request.
APPENDIX A

Abbreviations and Acronyms

% ............... percent
°F ................ degrees Fahrenheit
acfm ............... actual cubic feet per minute
BACT .......... Best Available Control Technology
BMPs .......... Best Management Practices
Btu ............... British thermal unit
CAM ............. Compliance Assurance Monitoring
CAS ............. Chemical Abstracts Service
CEMS ............ Continuous Emission Monitor System
CFR .......... Code of Federal Regulations
CO ............... carbon monoxide
CO₂ ............ carbon dioxide
CO₂e ............ carbon dioxide equivalent
COMS ........ Continuous Opacity Monitoring System
CSR .......... Code of State Regulations
dscf ........ dry standard cubic feet
EIQ .......... Emission Inventory Questionnaire
EP ............ Emission Point
EPA .......... Environmental Protection Agency
EU .......... Emission Unit
fps ............ feet per second
ft ............. feet
GACT ........ Generally Available Control Technology
GHG .......... Greenhouse Gas
gpm ............ gallons per minute
gr ........... grains
GWP ........ Global Warming Potential
HAP .......... Hazardous Air Pollutant
hr ........... hour
hp ............. horsepower
lb ............. pound
lbs/hr ....... pounds per hour
MACT ........ Maximum Achievable Control Technology
µg/m³ .......... micrograms per cubic meter
m/s ........... meters per second
Mgal ........ 1,000 gallons
MW ........ megawatt
MHDR ........ maximum hourly design rate

MMBtu ..... Million British thermal units
MMCF .......... million cubic feet
MSDS .......... Material Safety Data Sheet
NAAQS ........ National Ambient Air Quality Standards
NESHAPs .. National Emissions Standards for Hazardous Air Pollutants
NOₓ .......... nitrogen oxides
NSPS .......... New Source Performance Standards
NSR .......... New Source Review
PM ............ particulate matter
PM₁₀ ....... particulate matter less than 10 microns in aerodynamic diameter
ppm .......... parts per million
PSD .......... Prevention of Significant Deterioration
PTE .......... potential to emit
RACT .......... Reasonable Available Control Technology
RAL .......... Risk Assessment Level
SCC .......... Source Classification Code
scfm .......... standard cubic feet per minute
SDS .......... Safety Data Sheet
SIC .......... Standard Industrial Classification
SIP .......... State Implementation Plan
SMAL ......... Screening Model Action Levels
SOₓ .......... sulfur oxides
SO₂ .......... sulfur dioxide
tph ........ tons per hour
tpy ............ tons per year
VMT .......... vehicle miles traveled
VOC .......... Volatile Organic Compound
SEP 13 2017

Mr. Phil Tearney
President
Continental Coal
10801 Mastin Suite 920
Overland Park, Kansas 66210

RE: New Source Review Permit - Project Number: 2017-06-006

Dear Mr. Tearney:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions and your new source review permit application is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at the following website: http://dnr.mo.gov/regions/. The online CAV request can be found at http://dnr.mo.gov/cav/compliance.htm.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.
If you have any questions regarding this permit, please do not hesitate to contact Chad Stephenson, at the department’s Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Susan Heckenkamp
New Source Review Unit Chief

Enclosures

c: Kansas City Regional Office
   PAMS File: 2017-06-006

Permit Number: