STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

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: 072013-012  Project Number: 2013-01-051
Application for Authority to Construct was made for:
The installation of a new grain dryer and its associated grain handling equipment. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

Parent Company: Bunge North America, Inc.
Parent Company Address: P.O. Box 490, Louisiana, MO 63353
Installation Name: Bunge North America, Inc.
Installation Address: 10305 Highway 79 South, Louisiana, MO 63353
Location Information: Pike County, S20, T54N, R1W

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

Jul 18 2013
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 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 Department’s Air Pollution Control Program of the anticipated date of start up of these air contaminant sources. The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual start up of these air contaminant sources.

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources’ 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 at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.
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.”

Bunge North America, Inc.
Pike County, S20, T54N, R1W

1. PM$_{10}$ Emission Limitation
   A. Bunge North America, Inc. shall emit less than 15.0 tons of PM$_{10}$ in any consecutive 12-month period from the 72.9 MMBtu/hr grain dryer (EP-16) and its associated grain handling equipment (EP-07).

   B. Attachment A or equivalent forms, such as electronic forms, approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 1.A.

2. PM Emission Limitation
   A. Bunge North America, Inc. shall emit less than 250.0 tons of PM in any consecutive 12-month period from the entire installation (See Table Below)

Table 1 – Bunge North America - Louisiana

<table>
<thead>
<tr>
<th>Emission Point</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-1</td>
<td>Grain Receiving</td>
</tr>
<tr>
<td>EP-2</td>
<td>Grain Receiving</td>
</tr>
<tr>
<td>EP-3</td>
<td>Internal Handling</td>
</tr>
<tr>
<td>EP-8</td>
<td>Barge Shipping</td>
</tr>
<tr>
<td>EP-9</td>
<td>Column Grain Dryer</td>
</tr>
<tr>
<td>EP-10</td>
<td>Bin Vents</td>
</tr>
<tr>
<td>EP-11</td>
<td>Haul Roads</td>
</tr>
<tr>
<td>EP-14</td>
<td>Truck Shipping</td>
</tr>
<tr>
<td>EP-15</td>
<td>Dust Tank Loading</td>
</tr>
<tr>
<td>EP-16</td>
<td>Dust Tank Unloading to Conveyor</td>
</tr>
<tr>
<td>EP-17</td>
<td>Dust Barge Loading</td>
</tr>
</tbody>
</table>

B. Attachment B or equivalent forms, such as electronic forms, approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 2.A.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

3. Control Device Requirement-Baghouse
   A. Bunge North America, Inc. shall control emissions from the equipment listed below using baghouses as specified by the applicant.
      1) Grain Receiving (EP-1)
      2) Grain Receiving (EP-2)
      3) The following Internal Handling emission points (EP-3)
         a) BES-1
         b) BES-2
         c) BES-3
         d) BES-4
         e) BC-1
         f) BC-2
         g) BC-3
         h) BC-4
   B. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources' employees may easily observe them.
   C. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
   D. Bunge North America, Inc. shall monitor and record the operating pressure drop across the baghouses at least once every 24 hours while the facility is in operation. The operating pressure drop shall be maintained within the range of 1.0 to 6.0 inches of water column. On days the facility is not in operation Bunge North America, Inc. shall note this on the records accordingly.
   E. Bunge North America, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following:
      1) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
      2) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

4. Control Device Requirements – Barge Shipping
   Bunge North America, Inc. shall use a telescoping grain unloading spout end of the barge loading spouts. These telescoping spouts shall be used whenever grain is loaded into barges to reduce emissions from Barge Shipping (EP-8) as well as whenever dust from the Dust Tank is loaded into barge to reduce emissions from Dust Tank Barge Loading (EP-17).

5. Control Device Requirements – Total Enclosure
   A. Bunge North America, Inc. shall enclose the following drag conveyors, for the purpose of maximizing the capture efficiency of particulate matter emissions, with duct work at each drop point.
      1) DC-1
      2) DC-2
      3) DC-3
      4) DC-3A
      5) DC-4
      6) DC-4A
      7) DC-5
      8) DC-6
      9) DC-7
     10) DC-8
     11) DC-9
     12) DC-10
     13) DC-11
     14) DC-12
   B. Bunge North America, Inc. personnel shall inspect the enclosures listed in Special Condition 5.A. on a quarterly basis for any signs of a leak, based on sight or sound. The results of the inspection shall be recorded along with documentation regarding any necessary corrective action.

6. Record Keeping Requirement
   Bunge North America, Inc. shall maintain all records required by this permit for not less than five years and shall make them available to any Missouri Department of Natural Resources’ personnel upon request.

7. Reporting Requirement
   Bunge North America, Inc. shall report to the Air Pollution Control Program Enforcement Section P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedances of the limitations imposed by this permit.
10305 Highway 79 South
Louisiana, MO 63353

Parent Company:
Bunge North America, Inc.
P.O. Box 490
Louisiana, MO 63353

Pike County, S20, T54N, R1W

REVIEW SUMMARY

- Bunge North America, Inc. has applied for authority to install a new grain dryer and its associated grain handling equipment.

- HAP emissions are expected from the combustion of natural gas. However, the potential emissions of HAPs are expected to be below the SMAL for each respective HAP.

- 40 CFR 60 Standards of Performance for New Stationary Sources (NSPS), Subpart DD, "Standards of Performance for Grain Elevators" applies to this facility.

- None of the NESHAPs apply to this installation. None of the currently promulgated MACT regulations apply to the proposed equipment.

- No air pollution control equipment is being used in association with the new equipment.

- This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of PM$_{10}$ are conditioned below de minimis levels. Potential emissions of particulate matter (PM) for the project remain at minor source levels. Bunge North America has also taken an installation wide 250 ton per year PM limit to be sure they are considered a minor source for PM and to avoid PSD review for this project for PM. PM$_{2.5}$ was proportionately reduced below the de minimis levels.

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

- This installation is on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2, Category 27. The installation's major source level is 250 tons
per year and fugitive emissions are counted toward major source applicability.

- PM does not have any ambient air quality standards and therefore modeling was not required. Ambient air quality modeling was not performed for all other pollutants since the potential emissions of all other pollutants for this project are below de minimis levels.

- Emissions testing is not required for the equipment.

- A submittal of a complete Basic Operating Permit application is required within 30 days of equipment startup which is to include justification that Bunge North America is a “country grain elevator” as defined in the EPA memorandum issued November 14, 1995, titled Calculating Potential to Emit (PTE) and Other Guidance for Grain Handling Facilities and confirmation that the potential emissions of the facility for each criteria pollutant is below 100 tons per year based on the calculation method also found in EPA memorandum mentioned above. Otherwise an amendment to their current Intermediate Operating Permit within 180 days of equipment start up, or a new Part 70 Operating Permit application with 1 year of equipment start-up is required for this installation.

- Approval of this permit is recommended with special conditions.

INSTALLATION DESCRIPTION

Bunge North America, Inc. (Bunge) operates a grain elevator in Louisiana, Missouri. This installation stores, dries, unloads, and loads mixed grains. This installation is a minor source under construction permit and an intermediate source under operating permits.

The following New Source Review permits have been issued to Bunge North America, Inc. from the Air Pollution Control Program.

Table 1: Permit History

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0593-003</td>
<td>Modify their grain handling system</td>
</tr>
<tr>
<td>1099-006</td>
<td>Grain Transfer Conveyors</td>
</tr>
</tbody>
</table>

PROJECT DESCRIPTION

Bunge plans to replace their current 36.0 MMBtu/hr grain dryer (EP-09) and the grain transfer equipment used by the grain dryer with a new 72.9 MMBtu/hr natural gas fired grain dryer (EP-16) and new grain transfer equipment used by the new grain dryer (EP-07). The new grain dryer can handle 7000 bushels of grain per hour or 210 ton per hour. No control equipment is being used to control emissions from the new equipment.

Upon review of this project it was determined that the existing potential emission for PM would need to be calculated to determine if this facility was a major source for PM.
because if this were the case Bunge would need to address this by either taking a PM de minimis limit for the project or limit the entire facility to below PM major source levels to avoid PSD review. The existing potential emissions were calculated and included all emission sources at the site and it was found that the facility was indeed above major source levels. To address this issue Bunge agreed to take an installation wide 250 ton per year PM limit in order to avoid PSD review. After reviewing the calculations it was also found that after taking the installation wide PM limit the PM\textsubscript{10} installation wide potential emission are proportionally reduced to below 100 tons per year. Currently Bunge has an Intermediate Operating permit with an installation wide 100 ton per year PM\textsubscript{10} limit. Upon the issuance of this permit Bunge no longer needs an Intermediate Operating Permit and can be downgraded to a Basic Operating Permit.

Also during the review of this project it was stated by Bunge that the storage capacity of their facility is greater than 2.5 million bushels therefore 40 CFR 60 Subpart DD, "Standards of Performance for Grain Elevators" applies to this facility. All facilities subject to subpart DD are considered named sources under10 CSR 10-6.020(3)(B), Table 2, Category 27. Category 27 applies to any stationary source category which, as of August 7, 1980, is being regulated under section 111or 112 of the Clean Air Act. This also means that the major source level for criteria pollutants is 250 tons per year and fugitive source count toward major source applicability.

EMISSIONS/CONTROLS EVALUATION

The emission factors used for the grain handling associated with the new grain dryer were obtained from the EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition, Section 9.9.1, *Grain Elevators & Processes* (May 2003).

The filterable particulate matter emissions from the column grain dryer were calculated using the emission factors from AP-42 Section 9.9.1, *Grain Elevators & Processes*. The combustion emissions from the natural gas used to fuel the column grain dryer, which include condensable particulate matter, were calculated using AP-42 Section 1.4, *Natural Gas Combustion* (July 1998).

The following table provides an emissions summary for this project. Existing potential emissions were calculated as a part of this project to determine if the Bunge North America facility was a major source for PM. These calculations include all emission existing sources at the site and do not include any limits that have been taken in their most recent Intermediate Operating Permit OP2008-008. Existing actual emissions were taken from the installation’s 2012 EIQ. Potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year).
Table 2: Emissions Summary (tons per year)

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>1048.94</td>
<td>N/A</td>
<td>205.16</td>
<td>57.06</td>
<td>&lt;250.0</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>323.97</td>
<td>3.72</td>
<td>53.94</td>
<td>&lt;15.0</td>
<td>75.75</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>10.0</td>
<td>50.06</td>
<td>0.56</td>
<td>10.70</td>
<td>2.97</td>
<td>11.81</td>
</tr>
<tr>
<td>SOx</td>
<td>40.0</td>
<td>0.09</td>
<td>0.00</td>
<td>0.19</td>
<td>0.19</td>
<td>0.19</td>
</tr>
<tr>
<td>NOx</td>
<td>40.0</td>
<td>15.46</td>
<td>0.02</td>
<td>31.30</td>
<td>31.30</td>
<td>31.30</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>0.85</td>
<td>0.00</td>
<td>1.72</td>
<td>1.72</td>
<td>1.72</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>12.99</td>
<td>0.02</td>
<td>26.30</td>
<td>26.30</td>
<td>26.30</td>
</tr>
<tr>
<td>*GHG (CO$_{2e}$)</td>
<td>75,000 / 100,000</td>
<td>18,663.48</td>
<td>N/A</td>
<td>37,793.56</td>
<td>37,793.56</td>
<td>37,793.56</td>
</tr>
<tr>
<td>*GHG (mass)</td>
<td>0.0 / 100.0 / 250.0</td>
<td>18,551.28</td>
<td>N/A</td>
<td>37,566.35</td>
<td>37,566.35</td>
<td>37,566.35</td>
</tr>
<tr>
<td>HAPs</td>
<td>10.0/25.0</td>
<td>0.29</td>
<td>0.00</td>
<td>0.59</td>
<td>0.59</td>
<td>0.59</td>
</tr>
</tbody>
</table>

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

*GHG Emissions are below 100,000 tpy for this modification therefore it does not trigger PSD review.

1Existing Potential Emissions were calculated as a part of this project to determine if the Bunge North America facility was a major source for PM. These calculations include all emission sources at the site and do not include any limits that have been taken in their most recent Intermediate Operating Permit OP2008-008.

2Conditioned Potential Emissions of the Application include a 15.0 ton per year PM$_{10}$ project limit in order to avoid the modeling requirements found 10 CSR 6.060 Section (6). The PM$_{10}$ and PM$_{2.5}$ potential emissions were proportionally reduced. The combustion potential emissions from the dryer remained as if operating 8760 hours as Bunge North America stated the dryer may continue to run even if no grain is being dried.

3New Installation Conditioned Potential represents the installation wide 250 ton per year PM limit taken in this permit with PM$_{10}$ and PM$_{2.5}$ potential emissions proportionally reduced. The combustion potential emissions from the dryer remained as if operating 8760 hours as Bunge North America stated the dryer may continue to run even if no grain is being dried. Bunge North America currently has an application within the Air Pollution Control Program to renew their Intermediate Operating Permit. Upon completion of this permit this new equipment will be added to their Intermediate Operating Permit application. However during the calculation of the existing potential emissions of the entire installation it was found that with the installation wide 250 ton per year PM limit the potential emission of PM$_{10}$ are proportionally reduced below the major source level for operating permits. Therefore Bunge North America would now be considered a basic source for operating permits.

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 PM$_{10}$ are conditioned below de minimis levels. Potential emissions of particulate matter (PM) for the project remain at minor source levels. Bunge North America has also taken an installation wide 250 ton per year PM limit to be sure they are considered a minor source for PM and to avoid PSD review for this project for PM. PM$_{2.5}$ was proportionately reduced below the de minimis levels.
APPLICABLE REQUIREMENTS

Bunge North America, Inc. 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. For a complete list of applicable requirements for your installation, please consult your operating permit.

GENERAL REQUIREMENTS

- **Submission of Emission Data, Emission Fees and Process Information**, 10 CSR 10-6.110

- **Operating Permits**, 10 CSR 10-6.065

- **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

- **New Source Performance Regulations**, 10 CSR 10-6.070
  - Standards of Performance for Grain Elevators, 40 CFR Part 60, Subpart DD

- **Restriction of Emission of Particulate Matter From Industrial Processes**, 10 CSR 10-6.400. This rule applies to the bin vents at this facility. Bunge North America is in compliance with rule.

- **Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating**, 10 CSR 10-6.405
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, I recommend this permit be granted with special conditions.

Gerad Fox
New Source Review Unit

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated January 10, 2013, received January 23, 2013, designating Bunge North America, Inc. as the owner and operator of the installation.

### Attachment A: PM$_{10}$ Annual Emissions Tracking Sheet

**Bunge North America 163-0025**  
**Project Number:** 2013-01-051  
**Permit Number:**

This sheet covers the period from ___________ to ___________.

(Month, Day Year) (Month, Day Year)

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>(f)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Month</td>
<td>Grain Dried (tons)</td>
<td>PM$_{10}$ Emission Factor (lb/ton)</td>
<td>Monthly PM$_{10}$ Emissions (pounds)</td>
<td>Monthly PM$_{10}$ Emissions (tons)</td>
<td>Previous Month’s 12-Month PM$_{10}$ Emissions (tons)</td>
<td>Monthly PM$_{10}$ Emissions from Previous Year (tons)</td>
<td>Current 12-Month PM$_{10}$ Emissions (tons)</td>
</tr>
<tr>
<td>Example</td>
<td>5,000</td>
<td>0.059</td>
<td>1250</td>
<td>0.625</td>
<td>0.425</td>
<td>0.00</td>
<td>1.05</td>
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<td></td>
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</tbody>
</table>

(a) Record the current date.
(b) Record this month’s grain handled that has been processed by the grain column dryer.
(c) PM$_{10}$ emission factor for grain drying.
(d) \( (d) = (b) \times (c) \). Do this calculation for each process.
(e) \( (e) = (d) / 2,000 \)
(f) Record the 12-month PM$_{10}$ emissions (h) from last month.
(g) Record the monthly PM$_{10}$ emissions (e) from this month last year.

Calculate the new 12-month PM$_{10}$ emissions. \( (h) = (e) + (f) - (g) \) A value less than 15.0 tons of PM$_{10}$ indicates compliance.
### Attachment B: PM Annual Emissions Tracking Sheet

**Bunge North America 163-0025**

**Project Number:** 2013-01-051

**Permit Number:**

This sheet covers the period from ____________________ to ____________________ (Copy this sheet as needed.)

(Month, Day Year)  (Month, Day Year)

<table>
<thead>
<tr>
<th>(a)</th>
<th>(b)</th>
<th>(c)</th>
<th>(d)</th>
<th>(e)</th>
<th>(f)</th>
<th>(g)</th>
<th>(h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month</td>
<td>Grain/Dust Handled (tons)</td>
<td>PM Emission Factor (lb/ton)</td>
<td>Monthly PM Emissions (pounds)</td>
<td>Monthly PM Emissions (tons)</td>
<td>Previous Month’s 12-Month PM Emissions (tons)</td>
<td>Monthly PM Emissions from Previous Year (tons)</td>
<td>Current 12-Month PM Emissions (tons)</td>
</tr>
<tr>
<td><strong>Example</strong></td>
<td>Grain Received</td>
<td>7000</td>
<td>0.183</td>
<td>1281</td>
<td>1.04</td>
<td>20.50</td>
<td>0.56</td>
</tr>
<tr>
<td></td>
<td>Grain Dried</td>
<td>3000</td>
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</tr>
<tr>
<td></td>
<td>Grain Received</td>
<td>0.183</td>
<td></td>
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<td>137</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

(a) Record the current date.

(b) Record this month’s grain handled that has been processed by the grain receiving pit, grain column dryer and dust barge loading.

(c) PM emission factor for each process.

(d) \(d = (b) \times (c)\). Do this calculation for each process. The amount of dust loaded into the barge is not tracked individually by Bunge North America therefore all the potential emissions from these processes are included and hardcoded into the tracking sheet.

(e) \(e = \frac{(d) \text{ for grain receiving } + (d) \text{ for grain drying } + (d) \text{ for dust barge loading}}{2,000}\)

(f) Record the 12-month PM emissions (h) from last month.

(g) Record the monthly PM emissions (e) from this month last year.

(h) Calculate the new 12-month PM emissions. \(h = (e) + (f) - (g)\) A value less than 250.0 tons of PM indicates compliance.
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
PM₂.₅ ...... particulate matter less than 2.5 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
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
Mr. Aaron Ball  
Facility Manager  
Bunge North America, Inc.  
P.O. Box 490  
Louisiana, MO 63353  

RE: New Source Review Permit - Project Number: 2013-01-051  

Dear Mr. Ball:  

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, your new source review permit application and with your amended or new operating permit 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.  

If you have any questions regarding this permit, please do not hesitate to contact Gerad Fox, at the Department of Natural Resources’ 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  

SH:gfl  

Enclosures  

c: Northeast Regional Office  
PAMS File: 2013-01-051  

Permit Number: