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: 042016-007  Project Number: 2016-01-006
Installation Number: 025-0014

Parent Company: MFA Incorporated

Parent Company Address: 201 Ray Young Drive, Columbia, MO 65201

Installation Name: Northwest Missouri Grain, LLC

Installation Address: 6438 NE Nettleton Road, Hamilton, MO 64644

Location Information: Caldwell County, S23, T57N, R27W

Application for Authority to Construct was made for: Grain Handling Facility. 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

Director or Designee
Department of Natural Resources

Effective Date
April 11, 2016
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.”

Northwest Missouri Grain, LLC
Caldwell County, S23, T57N, R27W

1. PM$_{10}$ Emission Limitation
   A. Northwest Missouri Grain, LLC shall emit less than 15.0 tons of PM$_{10}$ in any consecutive 12-month period from the entire installation as shown in Table 1.

   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. NO$_x$ Emission Limitation
   A. Northwest Missouri Grain, LLC shall emit less than 40.0 tons of NO$_x$ in any consecutive 12-month period from their two grain dryers (EP-04b).

   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.

3. Control Device Requirement-Torit® Powercore® Dust Collector
   A. Northwest Missouri Grain, LLC shall control emissions from the two receiving pits using Torit® Powercore® Dust Collector as specified in the permit application.

   B. The Torit® Powercore® Dust Collector shall be operated and maintained in accordance with the manufacturer’s specifications. The Torit® Powercore® Dust Collector 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 Department of Natural Resources’ employees may easily observe them.

   C. Replacement filters for the Torit® Powercore® Dust Collector shall be kept on hand at all times. The cartridge filters shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

D. Northwest Missouri Grain, LLC shall monitor and record the operating pressure drop across the Torit® Powercore® Dust Collector at least once every 24 hours. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer’s performance warranty.

E. Northwest Missouri Grain, LLC shall maintain a copy of the Torit® Powercore® Dust Collector manufacturer’s performance warranty on site.

F. Northwest Missouri Grain, LLC shall maintain an operating and maintenance log for the Torit® Powercore® Dust Collector 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.

4. Control Device Requirements – Grain Handling Oil System
A. Northwest Missouri Grain, LLC shall construct and operate a grain handling oil system that applies food grade mineral oil, approved for direct contact with grain, to all grain received. The dust suppression system shall apply mineral to all grain as it leaves the Receiving Pits (EP-1 and EP-2) via pit conveyors. The rate applied shall not be less than one gallon per 1,000 bushels of grain averaged over each month.

B. The grain handling oil system shall be constructed, operated, and maintained in accordance with its manufacturer’s specifications. The manufacturer’s specifications shall be kept on site.

C. Northwest Missouri Grain, LLC shall maintain monthly records sufficient to demonstrate compliance with Special Condition 4.A. At minimum the records shall include date, oil usage (gallons), oil usage (pounds), grain processed (pounds), and oil application rate (% weight).

D. Northwest Missouri Grain, LLC shall maintain an operating and maintenance log for the grain handling oil system which shall include the following:
   1) Oil Product Information, including name and specific gravity
   2) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
   3) Maintenance activities, with inspection schedule, repair actions, and replacements.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

5. Record Keeping and Reporting Requirements
   A. Northwest Missouri Grain, LLC shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include SDS for all materials used.
   
   B. Northwest Missouri Grain, LLC shall report to the Air Pollution Control Program’s Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW
Project Number: 2016-01-006
Installation ID Number: 025-0014
Permit Number:

Installation Address: parent Company:
Northwest Missouri Grain, LLC MFA Incorporated
6438 NE Nettleton Road 201 Ray Young Drive
Hamilton, MO 64644 Columbia, MO 65201

Caldwell County, S23, T57N, R27W

REVIEW SUMMARY

• Northwest Missouri Grain, LLC has applied for authority to construct a grain handling facility.

• The application was deemed complete on January 14, 2016.

• Hazardous Air Pollutant (HAP) emissions are expected from the combustion of LPG from the column dryer.

• None of the New Source Performance Standards (NSPS) apply to the installation. New Source Performance Standards (NSPS) Subpart DD, Standards of Performance for Grain Elevators does not apply because the permanent storage capacity is less than 2.5 million bushels [Ten total bins = (3 x 566,000) + (1 x 316,000) + (3 x 30,000) + (1 x 5,000) + (2 x 5,000) = 2,119,000 total bushels].

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

• Mineral oil application and dust control at receiving pits with a Donaldson Torit® Powercore® Dust Collector is being used to control the PM, PM$_{10}$, PM$_{2.5}$ emissions from the equipment in this permit.

• 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$_{10}$ and NO$_x$ are conditioned below de minimis levels. Conditioned potential emissions of PM are at minor source levels.

• This installation is located in Caldwell 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 counted toward major source applicability.

- Ambient air quality modeling was not performed since no modeling standard exists for PM.

- Emissions testing is not required for the equipment.

- No Operating Permit is required for this installation. Conditioned potential emissions of PM are at minor source levels. PM emissions cannot trigger operating permit applicability.

- Approval of this permit is recommended with special conditions.

INSTALLATION/PROJECT DESCRIPTION

This project is the construction of a new grain handling facility located near Hamilton in Caldwell County. This facility will be capable of receiving of grain (EP-01 and EP-08) and loading of 100 car trains (EP-07). The project will include three 566,000 bushel concrete storage bins, one 316,000 bushel concrete storage bin, three 30,000 bushel storage bins, one 5,000 bushel fines bin and two 5,000 bushel overhead truck loading bins. Two receiving pits (EP-1) are capable of handling 30,000 bushels per hour each (900 tons per hour) along with two 30,000 bushels per hour bucket elevators (EP-2).

Dry grain can be reclaimed at 60,000 bushels per hour and ran through a grain screener for cleaning fines to accomplish the required grades and then loaded through a bulk weigh scale into an awaiting railcar. The system also includes two 4,700 bushels per hour liquid propane gas (LPG) column grain dryers (EP-4). The overall MHDR of this facility will be 1,800 tons per hour (60,000 bushels per hour) and the grain dryer’s MHDR will be 282 tons per hour (9,400 bushels per hour).

The entire facility has a total grain storage capacity (permanent and temporary) of approximately 3,619,000 bushel. Permanent grain storage remains below 2,500,000 bushels. There will be a temporary storage pile with a capacity of 1,500,000 bushels with fill conveyors and reclaim conveyors for recovery.

It is estimated that the facility will handle about 16,520,000 bushels of grain per year with about two-thirds of that being corn. Of the corn being handled it is estimated approximately 15% will be dried. It is also estimated by Northwest Missouri Grain, LLC that about 90% of the grain will be loaded into railcars with the remaining ten percent being shipped by truck. Haul roads at this facility will be paved.
Table 1: Installation Emission Units

<table>
<thead>
<tr>
<th>Emission Point</th>
<th>Description</th>
<th>Maximum Hourly Design Rate (ton per hour/bushels per hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-01a</td>
<td>Grain Receiving (Hopper Truck)</td>
<td>900/30,000</td>
</tr>
<tr>
<td>EP-01b</td>
<td>Grain Receiving (Straight Truck)</td>
<td>900/30,000</td>
</tr>
<tr>
<td>EP-02</td>
<td>Grain Handling – Bucket Elevators (4), Collection Box, Bulk Weigh Scale</td>
<td>1,800/60,000</td>
</tr>
<tr>
<td>EP-03a</td>
<td>Bin Vents (10)</td>
<td>1,800/60,000</td>
</tr>
<tr>
<td>EP-03b</td>
<td>Temporary Storage Pile</td>
<td>1,800/60,000</td>
</tr>
<tr>
<td>EP-04a</td>
<td>Grain Drying-Column Dryers(2)</td>
<td>282/9,400 combined</td>
</tr>
<tr>
<td>EP-04b</td>
<td>Column Dryer Combustion (2)</td>
<td>95 mmBTU/hr combined</td>
</tr>
<tr>
<td>EP-05</td>
<td>Shipping (Truck)</td>
<td>1,800/60,000</td>
</tr>
<tr>
<td>EP-06</td>
<td>Fines Bin</td>
<td>1,800/60,000</td>
</tr>
<tr>
<td>EP-07</td>
<td>Shipping (Rail)</td>
<td>1,800/60,000</td>
</tr>
<tr>
<td>EP-08</td>
<td>Grain Receiving (Rail)</td>
<td>900/30,000</td>
</tr>
<tr>
<td>EP-09</td>
<td>Haul Roads</td>
<td>Varies</td>
</tr>
</tbody>
</table>

No permits have been issued to Northwest Missouri Grain, LLC from the Air Pollution Control Program.

EMISSIONS/CONTROLS EVALUATION


Northwest Missouri Grain will have the ability to receive different types of grain at different test weights and moisture contents (densities). Grain receiving at the elevator was assumed to occur through a 50/50 split of straight trucks and hopper trucks. This is a conservative assumption as the emission factor for straight truck receiving is higher than the emission factor for hopper bottom receiving and the trend in the industry is moving towards more hopper bottom trucks compared to straight trucks. Without placing limits on the amount of each grain type received, calculations were performed at all grain having the conservative density of 60 pounds per bushel.

At the receiving pits (EP-1a & EP-1b), dust emissions will be controlled by a Torit® Powercore® Dust Collector (Donaldson) that has filter packs instead of the traditional filter bags as in baghouses with an overall efficiency of 99.5%. An 80% capture efficiency was applied to this area. Mineral oil will be applied to the grain at a rate of one gallon per 1,000 bushels of grain as it leaves the receiving pit via the pit conveyor. A control efficiency of 70% is applied to EP-2 - EP-8 for the use of mineral oil.
The following table provides an emissions summary for this project. This is a new facility and there are no existing potential emissions. The potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year). Conditioned potential emissions of the application represent a voluntary limit to avoid PM$_{10}$ dispersion modeling at the time of permitting. Attachment A contains composite emission factors for tracking emissions from all emission units that are evaluated towards the voluntary limit. Conditioned emissions from the combustion of LPG for the grain dryers account for a voluntary NO$_x$ de minimis limit.

Table 2: Emissions Summary (tpy)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Regulatory De Minimis Levels</th>
<th>Existing Potential Emissions</th>
<th>Existing Actual Emissions (EIQ)</th>
<th>Potential Emissions of the Project</th>
<th>New Installation Conditioned Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>N/A</td>
<td>N/A</td>
<td>1,113.58</td>
<td>49.58</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>N/A</td>
<td>N/A</td>
<td>336.92</td>
<td>&lt; 15.0</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>10.0</td>
<td>N/A</td>
<td>N/A</td>
<td>61.01</td>
<td>2.72</td>
</tr>
<tr>
<td>SO$_x$</td>
<td>40.0</td>
<td>N/A</td>
<td>N/A</td>
<td>6.82</td>
<td>4.62</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>40.0</td>
<td>N/A</td>
<td>N/A</td>
<td>59.12</td>
<td>&lt;40.00</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>N/A</td>
<td>N/A</td>
<td>2.33</td>
<td>1.58</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>N/A</td>
<td>N/A</td>
<td>34.11</td>
<td>23.08</td>
</tr>
<tr>
<td>HAPs</td>
<td>100.0/25.0</td>
<td>N/A</td>
<td>N/A</td>
<td>0.77</td>
<td>0.52</td>
</tr>
</tbody>
</table>

N/A = Not Applicable

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$_{10}$ and NO$_x$ are conditioned below de minimis levels.

APPLICABLE REQUIREMENTS

Northwest Missouri Grain, LLC 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

- Submission of Emission Data, Emission Fees and Process Information, 10 CSR 10-6.110
  - Per 10 CSR 10-6.110(4)(B)2.B(II) and (4)(B)2.C(II) a full EIQ is required for the first full calendar year the equipment (or modifications) approved by this permit are in operation.
• No *Operating Permits* are required because the installation’s emissions are conditioned below de minimis levels

• *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**

• *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400. The storage bin vents’ potential emission rate of 44.00 pounds per hour of PM is less than 85.44 lbs/hr (Process Rate Rule), and therefore complies with this regulation.

**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 January 6, 2016, received January 7, 2016, designating MFA Incorporated as the owner and operator of the installation.
• Email received from Alan Mahoney on February 16, 2016 updating application information
This sheet covers the period from \( \text{____} \) to \( \text{____} \).

\((\text{month, year})\) to \((\text{month, year})\)

<table>
<thead>
<tr>
<th>Compliance Tracking Activity</th>
<th>Throughput (bushels) C2</th>
<th>Throughput (tons) C3</th>
<th>Emission Factor (pounds of PM(_{10}) per ton) C4</th>
<th>Emissions (lbs) C5</th>
<th>Emissions (tons) C6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grain received by hopper truck</td>
<td></td>
<td></td>
<td>0.02160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grain received by straight truck</td>
<td></td>
<td></td>
<td>0.03201</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grain dried</td>
<td></td>
<td></td>
<td>0.01834</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rail shipping</td>
<td></td>
<td></td>
<td>0.00066</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Truck Shipping</td>
<td></td>
<td></td>
<td>0.0090</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grain received by rail</td>
<td></td>
<td></td>
<td>0.00234</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^7\) Monthly PM\(_{10}\) Emissions (tons)
\(^8\) Cumulative PM\(_{10}\) Emissions (tons)

**Notes:**
- \(^{c2}\) Enter in the amount of grain received for each activity listed in C1.
- \(^{c3}\) Multiply C2 by 60 and divide by 2000 (bushels x 60 / 2000).
- \(^{c5}\) Emissions calculated by multiplying the Throughput C3 by the respective Emission Factor C4.
- \(^{c6}\) Monthly PM\(_{10}\) Emissions in tons calculated by dividing the Monthly PM\(_{10}\) Emissions in pounds by 2,000.
- \(^7\) Monthly PM\(_{10}\) Emissions in tons calculated by summing the six Emissions from C6.
- \(^8\) Cumulative PM\(_{10}\) Emissions calculated by summing this month’s PM\(_{10}\) Emissions in tons with the previous eleven month’s PM\(_{10}\) Emissions in tons. A total of less than 15.0 tons is necessary for compliance.
### Attachment B – NOx Compliance Worksheet

Northwest Missouri Grain, LLC  
Caldwell County, S23, T57N, R27W  
Project Number: 2016-01-006  
Installation ID Number: 025-0019  
Permit Number: 

This sheet covers the period from _______________ to ________________.  
(month, year)                       (month, year)

<table>
<thead>
<tr>
<th>Month</th>
<th>Fuel Type</th>
<th>LPG Usage (1000 gallons)</th>
<th>Emission Factor (lb/1000 gallons)</th>
<th>Monthly Emissions¹ (lbs)</th>
<th>Total Monthly Emissions² (tons)</th>
<th>12-Month Total Emissions³ (tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example</td>
<td>LPG</td>
<td>100</td>
<td>13</td>
<td>1300</td>
<td>0.65</td>
<td>7.8</td>
</tr>
<tr>
<td>LPG</td>
<td>13</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>LPG</td>
<td>13</td>
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</tbody>
</table>

¹ Multiply the monthly LPG usage by the emission factor  
² Divide the monthly emissions (lbs) by 2,000  
³ Add the total monthly emissions (tons) to the sum of the total monthly emissions (tons) from the previous 11 months.  
A total of less than 40.0 tons is necessary for 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
PM₂.₅ ...... particulate matter less than 2.5 microns in aerodynamic diameter
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
Mr. Alan Mahoney  
Safety, Environmental & Regulatory Manager  
Northwest Missouri Grain, LLC  
201 Ray Young Drive  
Columbia, MO  65201

RE: New Source Review Permit - Project Number: 2016-01-006

Dear Mr. Mahoney:

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 are 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 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 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 Administrative Hearing Commission. You may contact the Administrative Hearing Commission by writing to them at the Truman State Office Building, Room 640, 301 West High Street, P.O. Box 1557, Jefferson City, Missouri 65102 or by phone at (573) 751-2422 or by fax at (573) 751-5018. The Administration Hearing Commission also has a website at www.oa.mo.gov/ahc.
If you have any questions regarding this permit, please do not hesitate to contact Chad Stephenson, 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:csd

Enclosures

c: Kansas City Regional Office
   PAMS File: 2016-01-006

Permit Number: