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: 022006-006  Project Number: 2005-05-027

Owner: Pilot Grove Cooperative Elevator, Inc.

Owner’s Address: P.O. Box 171, Pilot Grove, MO 65276

Installation Name: Pilot Grove Cooperative Elevator, Inc.

Installation Address: 12302 Highway 135 South, Pilot Grove, MO 65276

Location Information: Cooper County, S5, T47, R18

Application for Authority to Construct was made for:

Correction to Permit No. 012005-014. Installation of a 143,007 bushel capacity grain bin, a bucket elevator and two 25-ton feed storage bins. This equipment was constructed prior to receipt of a New Source Review permit from the Air Pollution Control Program. Obtaining this permit is part of a remedial action required by the Air Pollution Control Program. This review was conducted in accordance with Section (5), 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 (listed as attachments starting on page 2) are applicable to this permit.

FEB - 7 2006

EFFECTIVE DATE

MO 780-1204 (1-03)
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. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. 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 this (these) air contaminant source(s).

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 as provided in RSMo 643.075. If you choose to appeal, the Air Pollution Control Program must receive your written declaration within 30 days of receipt of this permit.

If you choose not to appeal, this certificate, the project review, your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(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 Department of Natural Resources has established the Outreach and Assistance Center to help in completing future applications or fielding complaints about the permitting process. You are invited to contact them at 1-800-361-4827 or (573) 526-6627, or in writing addressed to Outreach and Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176.

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 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.”

Pilot Grove Cooperative Elevator, Inc.
Cooper County, S5, T47, R18

1. Superseding Condition
   The conditions of this permit supersede all special conditions found in the previously issued construction permits (Permit Number 0995-013, 1095-005, 0896-003, 0896-003A, 052002-003 and 012005-014) from the Air Pollution Control Program.

2. Emission Limitation - Particulate Matter Less Than Ten (10) Microns in Diameter (PM$_{10}$)
   A. Pilot Grove Cooperative Elevator, Inc. shall emit less than 15 tons of particulate matter less than ten (10) microns in diameter (PM$_{10}$) in any consecutive 12 month period from the non-grandfathered emission units listed in Table 2 (unshaded points).

   B. Pilot Grove Cooperative Elevator, Inc. shall maintain an accurate record of PM$_{10}$ emitted into the atmosphere from the non-grandfathered emission units. Attachment A or an equivalent form shall be used for this purpose. Pilot Grove Cooperative Elevator, Inc. shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources’ personnel upon request.

   C. Pilot Grove Cooperative Elevator, Inc. shall report to the Air Pollution Control Program’s Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records from Special Condition Number 2.B. indicate that the source exceeds the limitation of Special Condition Number 2.A.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW
Project Number: 2005-05-027
Installation ID Number: 053-0024
Permit Number:

Pilot Grove Cooperative Elevator, Inc. Complete: May 12, 2005
12302 Highway 135 South Reviewed: September 23, 2005
Pilot Grove, MO  65276

Pilot Grove Cooperative Elevator, Inc.
P.O. Box 171
Pilot Grove, MO  65276

Cooper County, S5, T47, R18

REVIEW SUMMARY

• Pilot Grove Cooperative Elevator, Inc. has applied for authority to construct a
  143,007 bushel capacity grain bin (Section B, bin 12), a bucket elevator (Section A,
  feed leg), a 4-ton capacity mixer (Section A, mixer), two feed storage bins (Section
  A, bins 10 and 11) and a 2,000 bushel per hour loadout spout (Section A, feed
  loadout spout).  This equipment was constructed prior to receipt of a New Source
  Review permit from the Air Pollution Control Program.  Obtaining this permit is part
  of a remedial action required by the Air Pollution Control Program.

• Hazardous Air Pollutant (HAP) emissions are not expected from the proposed
  equipment.

• None of the New Source Performance Standards (NSPS) apply to the proposed
  equipment.  Subpart DD of the New Source Performance Standards (NSPS),
  Standards of Performance for Grain Elevators, does not apply to this installation
  since the storage capacity of the installation is less than 2.5 million bushels of grain.

• None of the National Emission Standards for Hazardous Air Pollutants (NESHAPs)
  or currently promulgated Maximum Achievable Control Technology (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 (5) of Missouri State Rule
  10 CSR 10-6.060, Construction Permits Required.  Potential emissions of PM_{10}
  are conditioned to de minimis levels.

• This installation is located in Cooper County, an attainment area for all criteria air
  pollutants.
This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2].

Ambient air quality modeling was not performed since potential emissions of the application are conditioned to de minimis levels.

Emissions testing is not required for the equipment.

Revision to the Intermediate Operating Permit application is required for this installation within 30 days of equipment startup.

Approval of this permit is recommended with special conditions.

INSTALLATION/PROJECT DESCRIPTION

Pilot Grove COOP Elevator, Incorporated (Pilot Grove) operates two separate sites located in Pilot Grove, Missouri. Operations and equipment at the two sites include storage bins for feed and grain, fertilizer mixing and storage and animal feed manufacturing. This facility reported to the Missouri Department of Agriculture on July 27, 2005 that they have a total grain capacity of 1,289,000 bushels; therefore, the installation is not subject to any NSPS or NESHAP regulations. This installation however, is an existing major source for PM10.

Pilot Grove has applied for an Intermediate Operating Permit, which is currently under technical review (Project No. 2002-10-012). The following Construction Permits have been issued to Pilot Grove from the Air Pollution Control Program.

Table 1: Previously Issued Construction Permits

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0995-013</td>
<td>Add a Dry Fertilizer and Grain Handling Plant</td>
</tr>
<tr>
<td>1095-005</td>
<td>New Elevator Leg, Drag Conveyor, Receiving Pit</td>
</tr>
<tr>
<td>0896-003</td>
<td>Bulk Fertilizer Plant</td>
</tr>
<tr>
<td>052002-003</td>
<td>Installation of two storage bins</td>
</tr>
<tr>
<td>012005-014</td>
<td>Installation of a new grain bin</td>
</tr>
</tbody>
</table>

On October 27, 2004, a Notice of Violation (NOV), 0881NE, was issued to Pilot Grove for adding a grain bin having a capacity of 143,007 bushels and a bucket elevator prior to receipt of a permit from the Missouri Department of Natural Resources. Additionally, two feed storage bins were viewed on site but were not yet installed. Obtaining this permit is part of a remedial action required by the Air Pollution Control Program. Pilot Grove has entered into a settlement agreement since issuance of the NOV. To ensure that the installation is now current with regards to construction permitting, the entire facility was reviewed.
The installation consists of five sections:

- Feed Handling – Section A – The oldest portion of the installation, the feed operation receives feed by truck through pits and then elevates it with the grain leg to a number of storage bins (bins 6-0, 4-0, 2-0, G-4, G-3, G-2E, G-2W and G-1). The feed is transferred to a mixer prior to being elevated with the feed leg. The feed is either loaded directly to trucks or into the sacking bins, whereupon the feed is bagged and shipped.

- Grain Handling – Section A – Grain is received by trucks through pits. The grain is elevated with the grain leg to bins 5-8. A portion of the grain is re-elevated with the grain leg to the crimper. After the grain is crimped, it is elevated with the grain leg once more to bins 9-11. The grain is then mixed and elevated with the feed leg to truck loadout.

- Grain Handling – Section B – The grain elevator portion of the facility receives grain by truck through two pits. The grain is then elevated and transferred to various storage bins (bins 1-12) by feed legs. “Wet corn” that is stored in Bin 1 is elevated with the jump leg to the dryer. From the dryer, the corn is elevated by the discharge leg to bin 4 directly or to the grain receiving leg and then to bins 1-5, before being transferred to trucks for shipping.

- Grain Storage Facility – Section C – The grain storage facility is located approximately 0.5 miles north of the main facility and serves only to store grain. The applicant has stated that no improvements have been made to the Grain Storage Facility since it was purchased in 1977; all of the equipment located in Section C is grandfathered. Grain is received in a pit, elevated to bins for storage and then re-elevated for loadout to trucks. A receiving pit, elevator leg, dryer and several small bins (numbered 1-7, 9, 12-15), originally located at this site have been removed, or rendered incapable of operation.

- Fertilizer – Section D – The dry fertilizer plant receives dry material by truck into a pit. The unloading conveyor then transfers the fertilizer to bays. A bobcat type loader then transfers the various fertilizer materials to a mixer. After blending, the mixed fertilizer is transferred by loadout conveyor to waiting trucks.

The following table provides a summary of the identification numbers of equipment at the installation, relevant emission point IDs, the maximum hourly design rate (MHDR) or capacity of each unit, the year the equipment was installed, whether or not the equipment is grandfathered, and if permitted, under what permit number.
Table 2: Equipment/Processes at Pilot Grove*

<table>
<thead>
<tr>
<th>Section</th>
<th>Equipment ID Number</th>
<th>Emission Point ID Number</th>
<th>Description of Unit</th>
<th>MHD or Capacity</th>
<th>Installation Year</th>
<th>Permit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Feed Handling</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>5</td>
<td>EP-19</td>
<td>Storage bin</td>
<td>21,960 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>6</td>
<td>EP-19</td>
<td>Storage bin</td>
<td>20,520 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>7</td>
<td>EP-19</td>
<td>Storage bin</td>
<td>20,520 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>8</td>
<td>EP-19</td>
<td>Storage bin</td>
<td>36,850 bu</td>
<td>2000</td>
<td>052002-003</td>
</tr>
<tr>
<td>A</td>
<td>Grain leg</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>6,000 bu/hr</td>
<td>2000</td>
<td>Like-kind</td>
</tr>
<tr>
<td>A</td>
<td>9</td>
<td>EP-19</td>
<td>Bulk bin</td>
<td>981 bu</td>
<td>1992</td>
<td>Like-kind</td>
</tr>
<tr>
<td>A</td>
<td>10</td>
<td>EP-19</td>
<td>Bulk bin</td>
<td>1,228 bu</td>
<td>2004</td>
<td>N/A</td>
</tr>
<tr>
<td>A</td>
<td>11</td>
<td>EP-19</td>
<td>Bulk bin</td>
<td>694 bu</td>
<td>2004</td>
<td>N/A</td>
</tr>
<tr>
<td>A</td>
<td>6-0</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>3,312 bu</td>
<td>1964</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>4-0</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>3,312 bu</td>
<td>1964</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>2-0</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>3,312 bu</td>
<td>1964</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>G-4</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>224 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>G-3</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>305 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>G-2E</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>408 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>G-2W</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>408 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>G-1</td>
<td>EP-19</td>
<td>Overhead bin</td>
<td>305 bu</td>
<td>Pre-1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>A</td>
<td>X-1</td>
<td>EP-19</td>
<td>Sacking Bulk bin</td>
<td>75 bu</td>
<td>1990</td>
<td>Like-kind</td>
</tr>
<tr>
<td>A</td>
<td>X-2</td>
<td>EP-19</td>
<td>Sacking Bulk bin</td>
<td>100 bu</td>
<td>1990</td>
<td>Like-kind</td>
</tr>
<tr>
<td>A</td>
<td>M</td>
<td>N/A</td>
<td>Mixer</td>
<td>4 ton</td>
<td>2004</td>
<td>N/A</td>
</tr>
<tr>
<td>A</td>
<td>Feed leg</td>
<td>EP-11</td>
<td>Elevator leg</td>
<td>2,000 bu/hr</td>
<td>2004</td>
<td>N/A</td>
</tr>
<tr>
<td>A</td>
<td>Feed loadout spout</td>
<td>EP-5</td>
<td>Feed loadout</td>
<td>2,000 bu/hr</td>
<td>2004</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>Pit</td>
<td>EP-4</td>
<td>Receiving pit</td>
<td>6,000 bu/hr</td>
<td>Pre-1974</td>
</tr>
<tr>
<td>A</td>
<td>C</td>
<td>EP-7</td>
<td>Feed crimper</td>
<td>300 bu/hr</td>
<td>1995</td>
<td>Like-kind</td>
</tr>
<tr>
<td>A</td>
<td>Loadout</td>
<td>EP-5</td>
<td>Loadout</td>
<td>6,000 bu/hr</td>
<td>2000</td>
<td>Like-kind</td>
</tr>
<tr>
<td><strong>Grain Handling</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>5</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>40,427 bu</td>
<td>1976</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>B</td>
<td>7</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>97,055 bu</td>
<td>1987</td>
<td>0995-013</td>
</tr>
<tr>
<td>B</td>
<td>10</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>123,506 bu</td>
<td>2001</td>
<td>052002-003</td>
</tr>
<tr>
<td>B</td>
<td>11</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>133,757 bu</td>
<td>2002</td>
<td>Like-kind</td>
</tr>
<tr>
<td>B</td>
<td>12</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>143,007 bu</td>
<td>2003</td>
<td>012005-014</td>
</tr>
<tr>
<td>B</td>
<td>Grain leg #1</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>6,000 bu/hr</td>
<td>1994</td>
<td>0995-013</td>
</tr>
<tr>
<td>B</td>
<td>Grain leg #2</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>6,000 bu/hr</td>
<td>1996</td>
<td>0995-013</td>
</tr>
<tr>
<td>B</td>
<td>Grain leg #3</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>6,000 bu/hr</td>
<td>1993</td>
<td>0995-013</td>
</tr>
<tr>
<td>B</td>
<td>Grain pit #1</td>
<td>EP-1</td>
<td>Receiving pit</td>
<td>6,000 bu/hr</td>
<td>1994</td>
<td>0995-013</td>
</tr>
<tr>
<td>B</td>
<td>Grain pit #2</td>
<td>EP-1</td>
<td>Receiving pit</td>
<td>6,000 bu/hr</td>
<td>1993</td>
<td>0995-013</td>
</tr>
<tr>
<td>B</td>
<td>Dryer</td>
<td>EP-6</td>
<td>Dryer</td>
<td>7 MMBTU/hr</td>
<td>1996</td>
<td>1095-005</td>
</tr>
<tr>
<td>B</td>
<td>Jump leg</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>1,000 bu/hr</td>
<td>1996</td>
<td>1095-005</td>
</tr>
<tr>
<td>B</td>
<td>Discharge leg</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>1,000 bu/hr</td>
<td>1996</td>
<td>1095-005</td>
</tr>
<tr>
<td>B</td>
<td>Loadout</td>
<td>EP-2</td>
<td>Grain Loadout</td>
<td>6,000 bu/hr</td>
<td>1994</td>
<td>0995-013</td>
</tr>
<tr>
<td>---</td>
<td>---------</td>
<td>------</td>
<td>----------------</td>
<td>-------------</td>
<td>------</td>
<td>---------</td>
</tr>
<tr>
<td>Grain Storage Facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C 10</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>9,016 bu</td>
<td>1977</td>
<td>Grandfathered</td>
<td></td>
</tr>
<tr>
<td>C 11</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>9,016 bu</td>
<td>1977</td>
<td>Grandfathered</td>
<td></td>
</tr>
<tr>
<td>C 17</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>37,160 bu</td>
<td>1977</td>
<td>Grandfathered</td>
<td></td>
</tr>
<tr>
<td>C 19</td>
<td>EP-18</td>
<td>Storage bin</td>
<td>105,925 bu</td>
<td>1977</td>
<td>Grandfathered</td>
<td></td>
</tr>
<tr>
<td>C 10</td>
<td>Grain leg</td>
<td>EP-3</td>
<td>Elevator leg</td>
<td>5,000 bu/hr</td>
<td>1977</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>C 16</td>
<td>Receiving pit</td>
<td>EP-1</td>
<td>Receiving pit</td>
<td>5,000 bu/hr</td>
<td>1974</td>
<td>Grandfathered</td>
</tr>
<tr>
<td>C 17</td>
<td>Loadout</td>
<td>EP-2</td>
<td>Grain Loadout</td>
<td>5,000 bu/hr</td>
<td>1977</td>
<td>Grandfathered</td>
</tr>
</tbody>
</table>

| D 1 | N/A | Fertilizer bay | 175 ton | 1974 | Grandfathered |
| D 2 | N/A | Fertilizer bay | 175 ton | 1974 | Grandfathered |
| D 3 | N/A | Fertilizer bay | 175 ton | 1974 | Grandfathered |
| D 4 | N/A | Fertilizer bay | 175 ton | 1974 | Grandfathered |
| D 5 | N/A | Fertilizer bay | 175 ton | 1974 | Grandfathered |
| D 6 | N/A | Fertilizer bay | 175 ton | 1974 | Grandfathered |
| D 7 | EP-17 | Fertilizer unloading conveyor | 100 ton/hr | 1990 | 0995-013 |
| D 8 | EP-14 | Fertilizer loadout conveyor | 100 ton/hr | 1990 | 0995-013 |
| D 10 | Receiving pit | EP-12 | Receiving pit | 100 ton/hr | 1974 | Grandfathered |

| N/A | Haul road | EP-15 | Haul road | N/A | Pre-1974 | Grandfathered |

*Bolded items are “new” equipment for this project.  Shaded items are grandfathered.

For purposes of simplification, the emission points listed in column 3 of Table 2 above relate to the following processes:

- **Grain (Sections B and C)**
  - EP-1 Grain receiving
  - EP-2 Grain shipping
  - EP-3 Elevator legs
  - EP-6 Grain dryer (both fuel combustion and grain throughput)
  - EP-18 Storage bin vents

- **Feed Mill (both grain and feed processes occurring in Section A are considered as feed, here)**
  - EP-4 Grain receiving
  - EP-5 Feed shipping
  - EP-7 Grain cracking
  - EP-8 Grinding
  - EP-9 Handling
  - EP-10 Ingredient receiving
  - EP-11 Feed legs
  - EP-19 Storage bin vents

- **Fertilizer (Section D)**
  - EP-12 Dry fertilizer receiving
  - EP-13 Dry fertilizer blending/mixing
  - EP-14 Dry fertilizer loadout
  - EP-17 Fertilizer unloading conveyor

- **Miscellaneous**
The emission factors and control efficiencies used in this analysis were obtained from the Environmental Protection Agency (EPA) document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition, Section 9.9.1 *Grain Elevators and Processes* (05/2003).

To ease the recordkeeping burden on the applicant, all non-grandfathered sources at the entire installation were reviewed; a de minimis limitation was placed on this equipment at the request of the applicant. The recordkeeping included as part of this permit requires the applicant to record the amount of grain, feed and fertilizer processed each month to insure that the de minimis limit is maintained on a 12-month rolling basis. The recordkeeping, though easy to use, is highly conservative in that it assumes that all grain will be processed through Section B of the installation, since the composite emission factor for that Section is the highest. Should the installation ever decide to keep more exacting records of how much grain is processed through Section A, Section B and Section C individually, the applicant may use the composite emission factors listed below and avoid counting emissions from the grandfathered equipment found in Section C:

- Section A – grain 0.0730 lb/ton
- Section B 0.1357 lb/ton
- Section C 0.0000 lb/ton

Existing potential emissions were taken from Permit No. 052002-003. Existing actual emissions were taken from the applicant’s 2004 Emissions Inventory Questionnaire (EIQ) submittal. Potential emissions of the application represent the potential of the non-grandfathered equipment at the installation, assuming continuous operation (8760 hours per year). The following table provides an emissions summary for this project.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>558.0</td>
<td>5.26</td>
<td>339.55</td>
<td>&lt; 15.0</td>
</tr>
<tr>
<td>SOx</td>
<td>40.0</td>
<td>0.02</td>
<td>N/D</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>NOx</td>
<td>40.0</td>
<td>2.93</td>
<td>N/D</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>0.16</td>
<td>N/D</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>2.47</td>
<td>N/D</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>HAPs</td>
<td>10.0/25.0</td>
<td>1.97</td>
<td>N/D</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

N/A = Not Applicable; N/D = Not Determined
PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of PM$_{10}$ are conditioned to de minimis levels.

APPLICABLE REQUIREMENTS

Pilot Grove 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
  The emission fee is the amount established by the Missouri Air Conservation Commission annually under Missouri Air Law 643.079(1). Submission of an Emissions Inventory Questionnaire (EIQ) is required April 1 for the previous year's emissions.

- 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 10-3.090

SPECIFIC REQUIREMENTS

- Restriction of Emission of Particulate Matter From Industrial Processes, 10 CSR 10-6.400

- Maximum Allowable Emissions of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating, 10 CSR 10-3.060
STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Lina Klein
Environmental Engineer

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated May 4, 2005, received May 5, 2005, designating Pilot Grove Cooperative Elevator, Inc. as the owner and operator of the installation.
Attachment A – PM$_{10}$ Compliance Worksheet

Pilot Grove CoOp Elevator  
Cooper County, S5, T47, R18  
Project Number: 2005-05-027  
Installation ID Number: 053-0024  
Permit Number:

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

Copy this sheet as needed.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
<th>Column C</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Amount of Material Shipped (Tons)</td>
<td>PM$_{10}$ Emission Factor (Pounds/Ton)</td>
<td>(b) Monthly PM$_{10}$ Emissions (Tons)</td>
</tr>
<tr>
<td>Grain</td>
<td>0.1357</td>
<td></td>
</tr>
<tr>
<td>Feed</td>
<td>0.0567</td>
<td></td>
</tr>
<tr>
<td>Fertilizer</td>
<td>0.0600</td>
<td></td>
</tr>
</tbody>
</table>

(c) Total PM$_{10}$ Emissions Calculated for this Month in Tons:

(d) 12-Month PM$_{10}$ Emissions Total From Previous Month’s Attachment A, in Tons:

(e) Monthly PM$_{10}$ Emissions Total (c) from Previous Year’s Attachment A, In Tons:

(f) Current 12-month Total of PM$_{10}$ Emissions in Tons: [(c) + (d) - (e)]

(a) Record the amount of grain, feed, and fertilizer shipped in Tons.
(b) Determine the Monthly PM10 Emissions using the following formula for grain, feed, and fertilizer:  
\[ \text{Column A} \times \text{Column B} \times 0.0005 \]
(c) Summation of Column C in Tons.
(f) Calculate the new 12-month PM$_{10}$ emissions total. **A 12-Month PM$_{10}$ emissions total (e) of less than 15.0 tons indicates compliance.**
Mr. Earl E. Haller  
General Manager  
Pilot Grove Cooperative Elevator, Inc.  
P.O. Box 171  
Pilot Grove, MO  65276


Dear Mr. Haller:

Enclosed with this letter is your permit to construct. Please study it carefully. Also, note the special conditions, if any, 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 revised 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 me at (573) 751-4817, or you may write to me at the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO  65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Kendall B. Hale  
New Source Review Unit Chief

KBH:kl
Enclosures

c:  Northeast Regional Office  
PAMS File 2005-05-027

Permit Number:
**MISSOURI DEPARTMENT OF NATURAL RESOURCES**  
**FOLDER TRANSMITTAL ROUTING SHEET**

**DEADLINE:**  
Penalty for Missing Deadline: $ 

PILOT GROVE Cooperative Elevator, Inc.  
2005-05-027

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**FOR SIGNATURE APPROVAL OF:**

- DNR Director  
- DNR Deputy Director  
- Division Director  
- Division Deputy Director  
- Other: James L. Kavanaugh

**PROGRAM APPROVAL:**

- Approved by:  
- Program: APCP  
- Date:  

Other Program Approval (Section/Unit):  
Date:  

Comments:  

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**ROUTE TO:**

- DIVISION DIRECTOR APPROVAL:  
Date:  

Comments:  

- FINANCIAL REVIEW – DIVISION OF ADMINISTRATIVE SUPPORT:
  - DAS Director:  
  Date:  
  
- Fee Worksheet Received By:  
  - Accounting:  
  Date:  
  - Budget:  
  Date:  
  - General Services:  
  Date:  
  - Internal Audit:  
  Date:  
  - Purchasing:  
  Date:  

Comments:  

- LEGAL REVIEW:
  - General Counsel:  
  Date:  
  
  - AGO:  
  Date:  

Comments:  

- DEPARTMENT DIRECTOR APPROVAL:  
Date:  

Comments:  

- NOTARIZATION NEEDED

INITIALS/DATE