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: 092016-016  
Project Number: 2015-06-063  
Installation ID: PORT-0742

Parent Company: Heptacore, Inc.

Parent Company Address: P.O. Box 17, Bloomsdale, MO 63627

Installation Name: Bloomsdale Excavating Co., Inc.

Installation Address: 12211 State Route Y, Bloomsdale, MO 63627

Location Information: Ste. Genevieve County (S14, T38N, R7E)

Application for Authority to Construct was made for:
The construction of a new portable roller compacted concrete batch 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  
Ryan Schott  
New Source Review Unit

Director of Designee  
Department of Natural Resources

SEP 26 2016  
Effective Date
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 startup 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 startup 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 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 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/
GENERAL 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. Equipment Identification Requirement
Bloomsdale Excavating Co., Inc. 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. These identification numbers must be submitted to the Air Pollution Control Program no later than 15 days after start-up of the portable concrete plant.

2. Relocation of Portable Rock Crushing Plant
A. Bloomsdale Excavating Co., Inc. shall not operate the portable concrete plant (PORT-0742) at any location longer than 24 consecutive months except if the Site Specific Special Conditions contain a nonroad engine requirement limiting the portable plant at the site specific location to 12 consecutive months.

B. A complete “Portable Source Relocation Request” application must be submitted to the Air Pollution Control Program prior to any relocation of this portable rock crushing plant.
   1) If the portable rock crushing plant is moving to a site previously permitted, and if the circumstances at the site have not changed, then the application must be received by the Air Pollution Control Program at least seven days prior to the relocation.
   2) If the portable rock crushing plant is moving to a new site, or if circumstances at the site have changed, then the application must be received by the Air Pollution Control Program at least 21 days prior to the relocation. The application must include written notification of any concurrently operating plants.

3. Record Keeping Requirement
Bloomsdale Excavating Co., 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.

4. Reporting Requirement
Bloomsdale Excavating Co., Inc. shall report to the Air Pollution Control Program Enforcement Section P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.
SITE SPECIFIC 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.”

PORT ID Number: PORT-0742
Site ID Number: 186-0059
Site Name: Bloomsdale Excavating Maintenance Facility
Site Address: 12211 State Route Y, Bloomsdale, MO 63627
Site County: Ste. Genevieve (S14, T38N, R7E)

1. Annual Emission Limit
   A. Bloomsdale Excavating Co., Inc. shall emit less than 15.0 tons of PM$_{10}$ in any consecutive 12-month period from PORT-0742 and any associated haul roads and storage piles while operating at this site.

   B. Bloomsdale Excavating Co., Inc. shall demonstrate compliance with Special Condition 1.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.

2. Undocumented Watering Requirement
   Bloomsdale Excavating Co., Inc. shall apply a water spray on all haul roads and vehicular activity areas whenever conditions exist that would allow visible emissions from these sources to leave the property.

3. Control Device Requirement-Baghouse
   A. Bloomsdale Excavating Co., Inc. shall control emissions from the cement silo (EP-P01) using a baghouse, as specified in the permit application.

   B. The baghouse 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. The gauge or meter shall be located such that Department of Natural Resources’ employees may easily observe it.

   C. Replacement filters for the baghouse 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. Bloomsdale Excavating Co., Inc. shall monitor and record the operating pressure drop across the baghouse at least once every 24 hours, while the plant is
SITE SPECIFIC SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special
conditions:

operating. The operating pressure drop shall be maintained within the design
conditions specified by the manufacturer's performance warranty.

E. Bloomsdale Excavating Co., Inc. shall maintain a copy of the baghouse
manufacturer's performance warranty on site.

F. Bloomsdale Excavating Co., Inc. shall maintain an operating and maintenance
log for the baghouse 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. Nonroad Engine Requirement
   Bloomsdale Excavating Co., Inc. cannot operate at this site longer than 12 consecutive
   months in order to avoid recordkeeping showing the movement of the 200 kVA diesel
   generator set. To meet the definition of a nonroad engine as stated in 40 CFR 89.2, this
   generator set cannot remain in one physical location for longer than 12 consecutive
   months.

5. Record Keeping Requirement
   Bloomsdale Excavating Co., Inc. 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.

6. Reporting Requirement
   Bloomsdale Excavating Co., Inc. shall report to the Air Pollution Control Program,
   Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days
   after any exceedances of the limitations imposed by this permit.
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."

PORT ID Number: PORT-0742
Site Address: 2300 McCutchen Drive, Rolla, MO 65402
Site County: Phelps (S31, T38N, R7W)

1. Annual Emission Limit
   A. Bloomsdale Excavating Co., Inc. shall emit less than 15.0 tons of PM$_{10}$ in any consecutive 12-month period from PORT-0742 and any associated haul roads and storage piles while operating at this site.
   B. Bloomsdale Excavating Co., Inc. shall demonstrate compliance with Special Condition 1.A using Attachment B or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.

2. Undocumented Watering Requirement
   Bloomsdale Excavating Co., Inc. shall apply a water spray on all haul roads and vehicular activity areas whenever conditions exist that would allow visible emissions from these sources to leave the property.

3. Control Device Requirement-Baghouse
   A. Bloomsdale Excavating Co., Inc. shall control emissions from the cement silo (EP-P01) using a baghouse, as specified in the permit application.
   B. The baghouse 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. The gauge or meter shall be located such that Department of Natural Resources' employees may easily observe it.
   C. Replacement filters for the baghouse 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. Bloomsdale Excavating Co., Inc. shall monitor and record the operating pressure drop across the baghouse at least once every 24 hours, while the plant is operating. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
SITE SPECIFIC SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

E. Bloomsdale Excavating Co., Inc. shall maintain a copy of the baghouse manufacturer's performance warranty on site.

F. Bloomsdale Excavating Co., Inc. shall maintain an operating and maintenance log for the baghouse 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. Nonroad Engine Requirement
   Bloomsdale Excavating Co., Inc. cannot operate at this site longer than 12 consecutive months in order to avoid recordkeeping showing the movement of the 200 kVA diesel generator set. To meet the definition of a nonroad engine as stated in 40 CFR 89.2, this generator set cannot remain in one physical location for longer than 12 consecutive months.

5. Record Keeping Requirement
   Bloomsdale Excavating Co., Inc. 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.

6. Reporting Requirement
   Bloomsdale Excavating Co., Inc. shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.
SITE SPECIFIC 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.”

PORT ID Number: PORT-0742
Site Address: 1 Fabick Drive, Fenton, MO 63026
Site County: St. Louis (S22, T44N, R5E)

1. Annual Emission Limit
   A. Bloomsdale Excavating Co., Inc. shall emit less than 15.0 tons of PM$_{10}$ in any consecutive 12-month period from PORT-0742 and any associated haul roads and storage piles while operating at this site.
   
   B. Bloomsdale Excavating Co., Inc. shall demonstrate compliance with Special Condition 1.A using Attachment C or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.

2. Undocumented Watering Requirement
   Bloomsdale Excavating Co., Inc. shall apply a water spray on all haul roads and vehicular activity areas whenever conditions exist that would allow visible emissions from these sources to leave the property.

3. Control Device Requirement-Baghouse
   A. Bloomsdale Excavating Co., Inc. shall control emissions from the cement silo (EP-P01) using a baghouse, as specified in the permit application.
   
   B. The baghouse 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. The gauge or meter shall be located such that Department of Natural Resources' employees may easily observe it.
   
   C. Replacement filters for the baghouse 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. Bloomsdale Excavating Co., Inc. shall monitor and record the operating pressure drop across the baghouse at least once every 24 hours, while the plant is operating. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
SITE SPECIFIC SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

E. Bloomsdale Excavating Co., Inc. shall maintain a copy of the baghouse manufacturer’s performance warranty on site.

F. Bloomsdale Excavating Co., Inc. shall maintain an operating and maintenance log for the baghouse 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. Nonroad Engine Requirement
   Bloomsdale Excavating Co., Inc. cannot operate at this site longer than 12 consecutive months in order to avoid recordkeeping showing the movement of the 200 kVA diesel generator set. To meet the definition of a nonroad engine as stated in 40 CFR 89.2, this generator set cannot remain in one physical location for longer than 12 consecutive months.

5. Record Keeping Requirement
   Bloomsdale Excavating Co., Inc. 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.

6. Reporting Requirement
   Bloomsdale Excavating Co., Inc. shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.
REVIEWS OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW
Project Number: 2015-06-063
Installation ID Number: PORT-0742
Permit Number: 092016-016

Bloomsdale Excavating Co., Inc.
12211 State Route Y
Bloomsdale, MO 63627
Ste. Genevieve County (S14, T38N, R7E)

Parent Company:
Heptacore, Inc.
P.O. Box 17
Bloomsdale, MO 63627

Complete: July 15, 2015

PROJECT DESCRIPTION

Bloomsdale Excavating Co., Inc. is proposing to construct a new portable concrete batch plant (PORT-0742). This Rapid International USA, Inc. RapidMix 400C roller compacted concrete plant is capable of producing up to 400 tons of concrete per hour. A baghouse is being used to control emissions from the cement silo. Bloomsdale Excavating Co., Inc. will perform undocumented watering to control fugitive emissions from haul roads and vehicular activity areas. The plant will be powered by a 200 kVA (~215 hp) diesel generator set; however, it meets the definition of nonroad engine as defined in 40 CFR 89.2 (1)(i). Therefore, the emissions of the generator set were not included in the project emissions. A list of non-site specific plant emission points is shown in the table below.

Table 1. Emission Point Summary

<table>
<thead>
<tr>
<th>Emission Point</th>
<th>Description</th>
<th>MHDR (tons per hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-T01</td>
<td>Aggregate Transfer 1 – Course</td>
<td>96</td>
</tr>
<tr>
<td>EP-T02</td>
<td>Aggregate Transfer 2 – Fine Sand</td>
<td>72</td>
</tr>
<tr>
<td>EP-T03</td>
<td>Aggregate Transfer 3 – Course Sand</td>
<td>120</td>
</tr>
<tr>
<td>EP-T04</td>
<td>Aggregate Transfer 4</td>
<td>300</td>
</tr>
<tr>
<td>EP-T05</td>
<td>Aggregate Transfer 5</td>
<td>300</td>
</tr>
<tr>
<td>EP-H01</td>
<td>Aggregate Feed Bins</td>
<td>300</td>
</tr>
<tr>
<td>EP-H02</td>
<td>Batch Plant Hopper</td>
<td>300</td>
</tr>
<tr>
<td>EP-P01</td>
<td>Cement Silo</td>
<td>400</td>
</tr>
<tr>
<td>EP-E01</td>
<td>Diesel Engine</td>
<td>N/A</td>
</tr>
<tr>
<td>EP-L01</td>
<td>Loading Point</td>
<td>400</td>
</tr>
</tbody>
</table>
PORT-0742 will be constructed at Bloomsdale Excavating Co., Inc.'s Maintenance Facility (186-0059), where it will undergo initial material and production testing. This preliminary period is expected to last for less than a month. Once the configuration and operation of the plant is finalized, PORT-0742 will be relocated to a job site in Rolla, as previously listed in this permit. PORT-0742 is expected to remain at the Rolla site for less than a week before it relocates to another job site in Fenton, where it will remain for a similar length of time. When not in use, Bloomsdale Excavating Co., Inc. plans to return PORT-0742 to their Maintenance Facility for storage and repair.

EMISSIONS CALCULATIONS

The table below summarizes the emissions of this project. Potential emissions of process equipment, which exclude emissions from haul roads and storage piles, are not site specific and should not vary from site to site. Since this is a new plant, it has no existing actual emissions. Conditioned potential emissions represent the emissions of all equipment and activities at each site, assuming continuous operation (8,760 hours per year) and accounting for a voluntary PM$_{10}$ de minimis limit.

<table>
<thead>
<tr>
<th>Air Pollutant</th>
<th>De Minimis Level</th>
<th>Potential Emissions of Process Equipment</th>
<th>Existing Actual Emissions</th>
<th>Conditioned Potential Emissions at Bloomsdale Site</th>
<th>Conditioned Potential Emissions at Rolla Site</th>
<th>Conditioned Potential Emissions at Fenton Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>217.44</td>
<td>N/A</td>
<td>46.51</td>
<td>42.49</td>
<td>47.05</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>77.60</td>
<td>N/A</td>
<td>&lt;15.0</td>
<td>&lt;15.0</td>
<td>&lt;15.0</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>10.0</td>
<td>42.75</td>
<td>N/A</td>
<td>2.45</td>
<td>2.57</td>
<td>2.44</td>
</tr>
<tr>
<td>SO$_x$</td>
<td>40.0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>40.0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total HAPs</td>
<td>25.0</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

*a*Excludes site specific emissions

*b*Includes emissions from process equipment, as well as haul road and storage pile emissions from the site at 12211 State Route Y, Bloomsdale, MO 63627

*c*Includes emissions from process equipment, as well as haul road and storage pile emissions from the site at 2300 McCutchen Drive, Rolla, MO 65402

*d*Includes emissions from process equipment, as well as haul road and storage pile emissions from the site at 1 Fabick Drive, Fenton, MO 63026

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 concrete batch plant were calculated using emission factors from AP-42 Section 11.12 Concrete Batching (June 2006). This section cites Equation (1) in Section 13.2.4 Aggregate Handling and Storage Piles (November 2006) for calculating the emissions from aggregate and sand transfer. The cement silo is controlled by a baghouse, so the controlled emission factors were used. Emissions from the aggregate weigh hopper were calculated using AP-42 Section 13.2.4, Equation (1). Emissions from mixer loading are not controlled, so the uncontrolled emission factors were used.

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 50% control efficiency for PM and PM$_{10}$ and a 22% control efficiency for PM$_{2.5}$ were applied to the emission calculations for the use of undocumented watering. 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 aggregate is 0.7% by weight. 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.

OPERATING SCENARIOS

PORT-0742 cannot concurrently operate with any other plants that have ambient impact limits based on the Air Pollution Control Program’s nomographs. When locating to a site that has or will have other plants, please refer to the special conditions of those plants’ 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$_{10}$ were conditioned below the de minimis level in order to avoid refined modeling requirements according to 10 CSR 10-6.060(6)(B)3 Potential emissions of PM are above the de minimis level, but below the major source level; however, there are no modeling requirements for PM.

APPLICABLE REQUIREMENTS

Bloomsdale Excavating Co., 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.
GENERAL REQUIREMENTS


- **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

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 June 18, 2015, received June 23, 2015, designating Heptacore, Inc. as the owner and operator of the installation.
**Attachment A: PM$_{10}$ Annual Emissions Tracking Sheet**
Bloomsdale Excavating Co., Inc. PORT-0742
Project Number: 2015-06-063
Permit Number: 092016-016

Site ID Number: 186-0059
Site Name: Bloomsdale Excavating Maintenance Facility
Site Address: 12211 State Route Y, Bloomsdale, MO 63627
Site County: Ste. Genevieve (S14, T38N, R7E)

This sheet covers the period from __________ to __________ (Copy as needed)

<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>26,000</td>
<td>0.0937</td>
<td>2,436</td>
<td>1.22</td>
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<td></td>
<td>0.0937</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

$^1$Multiply the monthly production by the emission factor.

$^2$Divide the monthly emissions (lbs) by 2,000.

$^3$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 B: PM\textsubscript{10} Annual Emissions Tracking Sheet

**Bloomsdale Excavating Co., Inc. PORT-0742**

**Project Number:** 2015-06-063

**Permit Number:** 092016-016

Site Address: 2300 McCutchen Drive, Rolla, MO 65402

Site County: Phelps (S31, T38N, R7W)

This sheet covers the period from ________ to ________ (Copy as needed)

<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>50,000</td>
<td>0.0485</td>
<td>2,425</td>
<td>1.21</td>
<td>14.55</td>
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<td>0.0485</td>
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</tr>
</tbody>
</table>

\(^1\) Multiply the monthly production by the emission factor.

\(^2\) Divide the monthly emissions (lbs) by 2,000.

\(^3\) 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\textsubscript{10} is necessary for compliance.
**Attachment C: PM\textsubscript{10} Annual Emissions Tracking Sheet**

Bloomsdale Excavating Co., Inc. PORT-0742  
Project Number: 2015-06-063  
Permit Number: 092016 - 016

Site Address: 1 Fabick Drive, Fenton, MO 63026  
Site County: St. Louis (S22, T44N, R5E)

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>23,000</td>
<td>0.107</td>
<td>2,461</td>
<td>1.23</td>
<td>14.77</td>
</tr>
</tbody>
</table>

\(^1\)Multiply the monthly production by the emission factor.  
\(^2\)Divide the monthly emissions (lbs) by 2,000.  
\(^3\)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\textsubscript{10} is necessary for compliance.
SEP 26 2016
Mr. Kory Drury
Risk and Finance Manager
Bloomsdale Excavating Co., Inc.
P.O. Box 17
Bloomsdale, MO 63627

RE: New Source Review Permit - Project Number: 2015-06-063

Dear Mr. Drury:

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:
Mr. Kory Drury
Page Two

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 Ryan Schott, 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

SH:rsj

Enclosures

c: Southeast Regional Office
   PAMS File: 2015-06-063

Permit Number: 092016-016