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: 2009-009-006 Project Number: 2009-10-040

Parent Company: A.E. Simpson Construction, Inc.

Parent Company Address: 51 County Highway 316, Scott City, MO 63780

Installation Name: A.E. Simpson Construction, Inc. - PORT-0657

Installation ID: PORT-0657

Installation Address: Highway 21 North, Centerville, MO 63633

Location Information: Reynolds County, S21, T32N, R1E

Application for Authority to Construct was made for:
The installation of a new portable asphalt 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.

DEC 10 2009

EFFECTIVE DATE

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 devises shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Departments’ Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant sources(s). 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 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 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.
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. Portable Equipment Identification Requirement
   A.E. Simpson Construction, Inc. - PORT-0657 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 asphalt plant.

2. Relocation of Portable Asphalt Plant
   A. A.E. Simpson Construction, Inc. - PORT-0657 shall not be operated at any location longer than 24 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 asphalt plant.
      1.) If the portable asphalt plant is moving to a site previously permitted, and if the circumstances at the site have not changed (e.g. the site was only permitted for solitary operation and now another plant is located at the site), then the application must be received by the Air Pollution Control Program at least seven days prior to the relocation.
      2.) If the portable asphalt 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
   A.E. Simpson Construction, Inc. - PORT-0657 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.
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-0657
Site ID Number: 179-0034
Site Name: Centerville
Site Address: Highway 21 North Centerville, MO 63633
Site County: Reynolds S21, T32N, R1E

1. Best Management Practices Requirement
   A.E. Simpson Construction, Inc. - PORT-0657 shall control fugitive emissions from all of the haul roads and vehicular activity areas at this site by performing Best Management Practices as defined in Attachment AA.

2. Ambient Air Impact Limitation
   A. A.E. Simpson Construction, Inc. - PORT-0657 shall not cause an exceedance of the National Ambient Air Quality Standard (NAAQS) for particulate matter less than ten microns in aerodynamic diameter (PM$_{10}$) of 150.0 $\mu$g/m$^3$ 24-hour average in ambient air.

   B. A.E. Simpson Construction, Inc. - PORT-0657 shall demonstrate compliance with special condition 2.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form. A.E. Simpson Construction, Inc. - PORT-0657 shall account for the impacts from other sources of PM$_{10}$ as instructed in Attachment A.

   C. A.E. Simpson Construction, Inc. - PORT-0657 is exempt from the requirements of special condition 2.B when no other plants are operating at this site.

3. Moisture Content Testing Requirement
   A. A.E. Simpson Construction, Inc. - PORT-0657 shall verify that the moisture content of the processes rock is greater than or equal to 1.5% weight.

   B. Testing shall be conducted according to the method prescribed by the American Society for Testing Materials (ASTM) D-2216, C-566 or another method approved by the Director.

   C. The initial test shall be conducted at least 45 day after the start of operation. A second test shall be performed the calendar year following the initial test during the months of July or August.
SITE SPECIFIC SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

D. The test samples shall be taken from rock that has been processed by the plant or from each source of aggregate (e.g. quarry).

E. The written analytical report shall include the raw data and moisture content of each sample, the test date and the original signature of the individual performing the test. The report shall be filed on-site or at the A.E. Simpson Construction, Inc. - PORT-0657 main office within 30 days of completion of the required test.

F. If the moisture content of either of the two tests is less than the moisture content in special condition 3.A, another test may be performed with 15 days of the noncompliant test. If the results of that test also exceed the limit, A.E. Simpson Construction, Inc. - PORT-0657 shall either:
   1.) Apply for a new permit to account for the revised information, or
   2.) Submit a plan for the installation of wet spray devices to the Air Pollution Control Program Compliance Assistance section within 10 days of the second noncompliant test. The wet spray devices shall be installed and operational within 40 days of the second noncompliant test.

G. In lieu of testing, A.E. Simpson Construction, Inc. - PORT-0657 may obtain test results of the supplier of the aggregate that demonstrate compliance with the moisture content in special condition 3.A.

4. Control Device Requirement-Baghouse
   A. A.E. Simpson Construction, Inc. - PORT-0657 shall control emissions from the drum dryer 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. These gauges or meters shall be located such that the Department of Natural Resources employees may easily observe them.

   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. A.E. Simpson Construction, Inc. - PORT-0657 shall monitor and record the operating pressure drop across the baghouse at least once every 24 hours. 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. A.E. Simpson Construction, Inc. - PORT-0657 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.

5. Minimum Distance to Property Boundary Requirement
   The primary emission point shall be located at least 100 feet from the nearest property boundary.

6. Record Keeping Requirement
   A.E. Simpson Construction, Inc. - PORT-0657 shall maintain all records required by this permit for five years and make them available to any Missouri Department of Natural Resources personnel upon request.

7. Reporting Requirement
   A.E. Simpson Construction, Inc. - PORT-0657 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.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW
Project Number: 2009-10-040
Installation ID Number: PORT-0657
Permit Number:
Highway 21 North
Centerville, MO 63633

Parent Company:
A.E. Simpson Construction, Inc.
51 County Highway 316
Scott City, MO 63780

Reynolds County, S21, T32N, R1E

PROJECT DESCRIPTION
A.E. Simpson Construction, Inc. - PORT-0657 is a portable asphalt plant that has a maximum hourly design rate of 140 ton of asphalt per hour. PORT-0657 is powered by a 350 horsepower engine. There is a baghouse connected to the drum dryer to control PM₁₀ emissions. Currently there are no other plants located at this site but PORT-0657 will be permitted to operate with other plants. Operating permits are not required for portable plants.

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

This installation is located in Reynolds 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. The installation's major source level is 250 tons per year and fugitive emissions are counted toward major source applicability.

No permits have been issued to A.E. Simpson Construction, Inc. - PORT-0657 from the Air Pollution Control Program.

TABLES
The table below summarizes the emissions of this project. The potential emissions of process equipment excluding emissions from haul roads and wind erosion, which are site specific should not vary from site to site. The existing actual emissions were taken from the previous years EIQ. The potential emissions of the application represent the emissions of all equipment and activities assuming continuous operation (8760 hours per year).
Table 1: Emissions Summary (tons per year)

<table>
<thead>
<tr>
<th>Air Pollutant</th>
<th>De Minimis Level/SMAL</th>
<th>Existing Actual Emissions</th>
<th>Potential Emissions of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>N/A</td>
<td>29.2</td>
</tr>
<tr>
<td>SO$_X$</td>
<td>40.0</td>
<td>N/A</td>
<td>4.1</td>
</tr>
<tr>
<td>NO$_X$</td>
<td>40.0</td>
<td>N/A</td>
<td>82.72</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>N/A</td>
<td>33.43</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>N/A</td>
<td>91.85</td>
</tr>
<tr>
<td>Lead</td>
<td>0.01</td>
<td>N/A</td>
<td>0.01</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>2.0</td>
<td>N/A</td>
<td>1.96</td>
</tr>
<tr>
<td>Total HAPs</td>
<td>25.0</td>
<td>N/A</td>
<td>6.55</td>
</tr>
</tbody>
</table>

N/A = Not Applicable

1 Excludes haul road and storage pile emissions
2 Includes site specific haul road and storage pile emissions
3 Screening Model Action Level (SMAL)

Table 2: Ambient Air Quality Impact Analysis

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>1 NAAQS (µg/m$^3$)</th>
<th>Averaging Time</th>
<th>2 Maximum Modeled Impact (µg/m$^3$)</th>
<th>Limited Impact (µg/m$^3$)</th>
<th>Background$^6$ (µg/m$^3$)</th>
<th>3 Daily Limit (tons/day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$^5$PM$_{10}$ (same)</td>
<td>150.0</td>
<td>24-hour</td>
<td>129.35</td>
<td>N/A</td>
<td>20.0</td>
<td>N/A</td>
</tr>
<tr>
<td>$^5$PM$_{10}$ (separate)</td>
<td>150.0</td>
<td>24-hour</td>
<td>N/A</td>
<td>100.0</td>
<td>50.0</td>
<td>2689</td>
</tr>
<tr>
<td>NO$_X$</td>
<td>100</td>
<td>Annual</td>
<td>21.5</td>
<td>21.5</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1 National Ambient Air Quality Standards (NAAQS) and Risk Assessment Level (RAL)
2 Modeled impact at maximum capacity with controls
3 Indirect limit based on compliance with NAAQS.
4 Solitary operation or operation with other plants that are owned by A.E. Simpson Construction, Inc.
5 Operation with other plants that are not owned by A.E. Simpson Construction, Inc.
6 Background concentration includes 20 µg/m$^3$ from haul roads and stockpiles for both the same and separate scenarios and 30.0 µg/m$^3$ from separate owner plants for just the separate scenario

The plant’s Drum Dryer and Generator was modeled using the SCREEN3 screen modeling software. The stack characteristic entered into the modeled are listed in Table 3.

Table 3: SCREEN3 Input Parameters

<table>
<thead>
<tr>
<th>Equipment Description</th>
<th>Stack Height (m)</th>
<th>Stack Inside Diameter (m)</th>
<th>Stack Gas Exit Velocity (m/s)</th>
<th>Stack Gas Exit Temperatur $^6$ (K)</th>
<th>Dispersion Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dryer</td>
<td>6.1</td>
<td>0.6</td>
<td>31.4</td>
<td>405.4</td>
<td>Rural</td>
</tr>
<tr>
<td>Generator</td>
<td>4.3</td>
<td>0.2</td>
<td>56.2</td>
<td>807.7</td>
<td>Rural</td>
</tr>
</tbody>
</table>
EMISSIONS CALCULATIONS

Emissions for the project were calculated using emission factors found in the United States Environmental Protection Agency (EPA) document AP-42 Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition (AP-42). Emissions from the drum mix asphalt plant were calculated using emission factors from AP-42 Section 11.1 “Hot Mix Asphalt Plants,” April 2004. Sulfur oxide (SOx) emissions were calculated using the SO2 and SO3 emission factors from AP-42 Section 1.3 “Fuel Oil Combustion,” September 1998 and assuming half of the sulfur up to 0.1 pound per ton of product is absorbed into the product. The asphalt plant is controlled by a baghouse, so the fabric filter controlled emission factor was used to calculate PM10 emissions. Emissions from plant load-out were calculated using predictive equations found in AP-42 Table 11.1-14. Default values were used for asphalt volatility and mix temperature. Emissions from the asphalt heater were calculated using emission factors from AP-42 Section 1.3. Emissions from aggregate handling were calculated using emission factors from AP-42 Section 11.19.2 “Crushed Stone Processing and Pulverized Mineral Processing,” August 2004. The controlled emission factors were used because the inherent moisture content of the crushed rock is greater than 1.5% weight.

Emissions from the diesel engine/generator were calculated using emission factors from AP-42 Section 3.3 Gasoline and Diesel Industrial Engines,” October 1996.

Emissions from haul roads and vehicular activity areas were calculated using the predictive equation from AP-42 Section 13.2.2 “Unpaved Roads,” November 2006. A 90% control efficiency is applied to the emission calculations for the use of BMPs. Emissions from load-in and load-out of storage piles were calculated using the predictive equation from AP-42 Section 13.2.4. The moisture content of the aggregate is 1.5% 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.”

AMBIENT AIR QUALITY IMPACT ANALYSIS

An ambient air quality impact analysis (AAQIA) was performed to determine the impact of PM10. The Air Pollution Control Program requires an AAQIA of PM10 for all asphalt, concrete and rock-crushing plants regardless of the level of PM10 emissions if a permit is required. An AAQIA was required for NOx because these emissions exceed the de minimis level for the applicable pollutant. The AAQIA was performed using the Air Pollution Control Program’s generic nomographs and the EPA modeling software SCREEN3. For each pollutant that was modeled, the maximum concentration that occurs at or beyond the site boundary was compared to the National Ambient Air Quality Standard (NAAQS) or Risk Assessment Level (RAL) for the pollutant. The distance from the plant to the nearest site boundary is 100 feet. The AAQIA shows that the NAAQS will not be exceeded.

This plant uses BMPs to control emissions from haul roads and vehicular activity areas, so emissions from these sources were not included in the AAQIA. Instead they were addressed as a background concentration of 20 µg/m³ of PM10 in accordance with the Air Pollution Control Program’s BMPs interim policy.
OPERATING SCENARIOS

The plant is permitted to operate with other plants located at the site as long as the NAAQS is not exceeded. The following scenarios explain how A.E. Simpson Construction, Inc. - PORT-0657 shall demonstrate compliance with the NAAQS.

- When plants that are owned by A.E. Simpson Construction, Inc. are located at the site, A.E. Simpson Construction, Inc. must calculate the daily impact of each plant and limit the total impact of all plants below the NAAQS. If A.E. Simpson Construction, Inc. - PORT-0657 is the only plant located at the Centerville site (179-0034) no record keeping is necessary.

- When plants that are not owned by A.E. Simpson Construction, Inc. are located at the site, A.E. Simpson Construction, Inc. must account for the impacts of these plants as a background concentration and add it to the total impact of all plants owned by A.E. Simpson Construction, Inc. that are operating at the site. This total is limited below the NAAQS.
  1. A.E. Simpson Construction, Inc. will limit the total impact of all plants they own and operate at the site to 100 µg/m³ when any plants they do not own are located at the site. A.E. Simpson Construction, Inc. - PORT-0657 is not permitted to operate with any plant that is not owned by A.E. Simpson Construction, Inc. that has a separate owner limited impact greater than 30.0 µg/m³.
  2. A.E. Simpson Construction, Inc.’s maximum model annual ambient impact for NOₓ is 21.5 µg/m³. If any other plants are located at this site their annual ambient impact for NOₓ must be below 78.5 µg/m³

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of PM₁₀ and NOₓ are above de minimis levels.

APPLICABLE REQUIREMENTS

A.E. Simpson Construction, Inc. - PORT-0657 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.** 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 June 1 for the previous year's emissions.

- No Operating Permit is required for this installation.

- **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**

- 40 CFR 60 Subpart I, "Standards of Performance for Hot Mix Asphalt Facilities" applies to the equipment.

- 40 CFR 60 Subpart III, “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines” applies to your generator

- None of the National Emission Standards for Hazardous Air Pollutants (NESHAPS) or National Emission Standards for Hazardous Air Pollutants for Source Categories (MACTS) apply to the proposed equipment.

- **Restriction of Emission of Sulfur Compounds, 10 CSR 10-6.260**
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
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated October 15, 2009, received October 15, 2009, designating A.E. Simpson Construction, Inc. as the owner and operator of the installation.

## Attachment A: Ambient Impact Tracking Sheet

A.E. Simpson Construction, Inc. - PORT-0657  
Project Number: 2009-10-040

Site Name: Centerville  
Site Address: Highway 21 North, Centerville, MO 63633  
Site County: Reynolds, S21, T32N, R1E

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

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Daily Production (tons)</th>
<th>Impact Factor (µg/m³/ton)</th>
<th>Impact¹ (µg/m³)</th>
<th>Impact² (µg/m³)</th>
<th>Impact² (µg/m³)</th>
<th>Impact³ (µg/m³)</th>
<th>Background (µg/m³)</th>
<th>Total Impact³ (µg/m³)</th>
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<tr>
<td>Example</td>
<td>1,104</td>
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<td>42.5</td>
<td>10.2</td>
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<td>20.0</td>
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</tr>
</tbody>
</table>

¹Calculate the impact for PORT-0657 by multiplying the daily production by the impact factor.  
²Input the impact for any plants owned by A.E. Simpson Construction, Inc. that are operating on the site.  
³Calculate the total impact by adding the applicable impacts and background. Include the separate owner plant impact if a plant that is not owned by A.E. Simpson Construction, Inc. is located at the site. A total of 150 µg/m³ or less is necessary for compliance.
For purposes of this document, Control of Fugitive Emissions means to control particulate matter that is not collected by a capture system and visible emissions to the extent necessary to prevent violations of the air pollution law or regulation. (Note: control of visible emission is not the only factor to consider in protection of ambient air quality.)
<table>
<thead>
<tr>
<th>Description</th>
<th>MHDR Units</th>
<th>Emission Factor (EF)</th>
<th>EF Units</th>
<th>Control Eff. %</th>
<th>Emissions (lb/hr)</th>
<th>Modeling Rate (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aggregate Handling Bins-Spray Bars</td>
<td>133.00 tph</td>
<td>0.00110</td>
<td>lb/ton</td>
<td>95.80</td>
<td>0.01</td>
<td>0.006</td>
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<td>Aggregate Handling Conveyor-Spray Bars</td>
<td>133.00 tph</td>
<td>0.00110</td>
<td>lb/ton</td>
<td>95.80</td>
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<td>0.006</td>
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<tr>
<td>Scalping Screen-Spray Bars</td>
<td>133.00 tph</td>
<td>0.00870</td>
<td>lb/ton</td>
<td>91.50</td>
<td>0.10</td>
<td>0.098</td>
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<tr>
<td>Drum Dryer - #2 Fuel Oil (Diesel)</td>
<td>140.00 tph</td>
<td>6.50000</td>
<td>lb/ton</td>
<td>99.65</td>
<td>3.22</td>
<td>3.220</td>
</tr>
<tr>
<td>Silo Loading</td>
<td>140.00 tph</td>
<td>0.00059</td>
<td>lb/ton</td>
<td>N/A</td>
<td>0.08</td>
<td>0.082</td>
</tr>
<tr>
<td>Plant Loadout</td>
<td>140.00 tph</td>
<td>0.00052</td>
<td>lb/ton</td>
<td>N/A</td>
<td>0.07</td>
<td>0.073</td>
</tr>
<tr>
<td>Asphalt Heater - #2 Fuel Oil (Diesel)</td>
<td>0.0107 1000 gal/hr</td>
<td>2.38000</td>
<td>lb/1000gal</td>
<td>N/A</td>
<td>0.03</td>
<td>0.025</td>
</tr>
<tr>
<td>Generator - Industrial Diesel</td>
<td>0.0182 1000 gal/hr</td>
<td>42.47000</td>
<td>lb/1000gal</td>
<td>0.00</td>
<td>0.77</td>
<td>0.771</td>
</tr>
<tr>
<td>Storage Pile - Load In MC 1.5</td>
<td>133.00 tph</td>
<td>0.00410</td>
<td>lb/ton</td>
<td>N/A</td>
<td>0.55</td>
<td>0.545</td>
</tr>
<tr>
<td>Storage Pile - Load Out MC 1.5</td>
<td>133.00 tph</td>
<td>0.00410</td>
<td>lb/ton</td>
<td>N/A</td>
<td>0.55</td>
<td>0.545</td>
</tr>
<tr>
<td>Storage Pile - Wind Errosion</td>
<td>1.00 acres</td>
<td>0.08917</td>
<td>lb/acre-hr</td>
<td>N/A</td>
<td>0.09</td>
<td>0.089</td>
</tr>
<tr>
<td>Storage Pile - Vehicular Activity</td>
<td>0.21 VMT/hr</td>
<td>2.84254</td>
<td>lb/VMT</td>
<td>90.00</td>
<td>0.06</td>
<td>0.060</td>
</tr>
<tr>
<td>Haul Road Road</td>
<td>5.63 VMT/hr</td>
<td>2.03084</td>
<td>lb/VMT</td>
<td>90.00</td>
<td>1.14</td>
<td>1.144</td>
</tr>
</tbody>
</table>

1 Maximum Hourly Design Rate (MHDR)
2 Emission Factor (EF)
3 The Modeling Rate is the emission rate scaled to the daily hours of operation at MHDR allow by the permit.
Mr. Keith Simpson  
Vice President  
A.E. Simpson Construction, Inc. - PORT-0657  
51 County Highway 316  
Scott City, MO 63780  

RE: New Source Review Permit - Project Number: 2009-10-040  

Dear Mr. Simpson:  

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 and your new source review permit application 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 Departments’ 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  

Kendall B. Hale  
New Source Review Unit Chief  

KBH:gfl  

Enclosures  

c: Southeast Regional Office  
PAMS File: 2009-10-040  

Permit Number: