INTERMEDIATE STATE PERMIT TO OPERATE

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to operate the air contaminant source(s) described below, in accordance with the laws, rules, and conditions set forth herein.

Intermediate Operating Permit Number: OP2014-030
Expiration Date: OCT 2 0 2019
Installation ID: 003-P011
Project Number: 2013-06-023

Installation Name and Address
Keller Construction Company
20798 North Highway 169
St. Joseph, MO 64505-8501
Andrew County

Parent Company's Name and Address
Keller Construction Company
P.O. Box 8339
St. Joseph, MO 64506

Installation Description:
Keller Construction Company produces asphaltic concrete. The installation has accepted a voluntary limitation on carbon monoxide emissions in order to obtain this Intermediate Operating Permit.

OCT 2 1 2014
Effective Date

[Signature]
Director of Designee
Department of Natural Resources
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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION
Keller Construction Company produces asphaltic concrete. The installation has accepted a voluntary limitation on carbon monoxide emissions in order to obtain this Intermediate Operating Permit.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter (\leq 10) Microns (PM(_{10}))</td>
<td>2.04</td>
<td>2.0424</td>
<td>1.54</td>
<td>1.5448</td>
<td>2.6036</td>
</tr>
<tr>
<td>Particulate Matter (\leq 2.5) Microns (PM(_{2.5}))</td>
<td>0.23</td>
<td>0.2316</td>
<td>0.22</td>
<td>0.2178</td>
<td>0.1197</td>
</tr>
<tr>
<td>Sulfur Oxides (SO(_x))</td>
<td>0.08</td>
<td>0.0763</td>
<td>0.07</td>
<td>0.07</td>
<td>0.0996</td>
</tr>
<tr>
<td>Nitrogen Oxides (NO(_x))</td>
<td>0.41</td>
<td>0.4146</td>
<td>0.38</td>
<td>0.3805</td>
<td>0.5416</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0.14</td>
<td>0.136</td>
<td>0.12</td>
<td>0.1248</td>
<td>0.1776</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>6.63</td>
<td>6.6332</td>
<td>6.09</td>
<td>6.0883</td>
<td>8.6649</td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>--</td>
<td>0</td>
<td>--</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Hazardous Air Pollutants (HAPs)</td>
<td>0.1272</td>
<td>0.1272</td>
<td>0.1167</td>
<td>0.1167</td>
<td>0.1661</td>
</tr>
<tr>
<td>Ammonia (NH(_3))</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

EMISSION UNITS WITH LIMITATIONS
The following list provides a description of the equipment at this installation which emits air pollutants and identified as having unit-specific emission limitations.

<table>
<thead>
<tr>
<th>Emission Unit #</th>
<th>Description of Emission Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-02</td>
<td>Cold Aggregate Transfer Operations</td>
</tr>
<tr>
<td>EP-04</td>
<td>Rotary Dryer</td>
</tr>
<tr>
<td>EP-04A/B</td>
<td>Hot Asphalt Storage Silo</td>
</tr>
<tr>
<td>EP-07A/B/C</td>
<td>Asphalt Oil Heaters</td>
</tr>
<tr>
<td>EP-08H</td>
<td>Gasoline Storage Tank</td>
</tr>
</tbody>
</table>
EMISSION UNITS WITHOUT LIMITATIONS
The following list provides a description of the equipment, which does not have unit specific limitations at the time of permit issuance.

Description of Emission Source
Coarse Aggregate/Sand Storage Piles (EP-01)
Haul Road (EP-06)
Distillate Fuel #2 Storage Tank (EP-08)

DOCUMENTS INCORPORATED BY REFERENCE
These documents have been incorporated by reference into this permit.

Construction Permit #0687-003
II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

PERMIT CONDITION PW001
10 CSR 10-6.060 Construction Permits Required
Construction Permit #0687-003, Issued May 19,1987

Operational Limitations:
The permittee shall operate and maintain all air pollution control equipment associated with this asphalt plant as prescribed by the manufacturer in accordance with Special Condition #3 in Permit to Construct #0687-003.

PERMIT CONDITION PW002
10 CSR 10-6.020(2)(I)24. and 10 CSR 10-6.065(5)(C)2. Voluntary Limitation(s)

Emission Limitation:
The permittee shall emit less than 100 tons of Carbon Monoxide (CO) in any 12-Month Period.

Monitoring/Recordkeeping:
1) The permittee shall maintain an accurate record of the production rate. Attachment G, or an equivalent shall be used to demonstrate compliance with the emission limit.
2) These records shall be made available immediately for inspection to the Department of Natural Resources’ personnel upon request.
3) All records shall be maintained for five years.

Reporting:
The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10 CSR 10-6.065(5)(A).
III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

### PERMIT CONDITION 1

<table>
<thead>
<tr>
<th>EIQ Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
</table>

**Emission Limitation:**

The permittee shall not discharge or cause the discharge into the atmosphere from any affected facility any gases which: [§60.92(a)]

1) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf). [§60.92(a)(1)]
2) Exhibit 20 percent opacity, or greater. [§60.92(a)(2)]

**Monitoring:**

1) The permittee shall maintain the dust collector such that the pressure drop remains in the normal operating range as determined by the stack test whenever the emission units are in operation. A lower pressure drop reading may be observed for a period following the installation of a new bag.

2) The permittee shall ensure all instruments and control equipment are calibrated, maintained, and operated according to the manufacturer’s specifications and recommendations.

3) The permittee shall check and document the dust collector pressure drop daily, whenever the emission unit is in operation. If the pressure drop falls out of the normal operating range, corrective action shall be taken as soon as practicable but within eight hours to return the pressure drop to normal.

4) The permittee shall check and document the cleaning sequence of the dust collector every six months.

5) The permittee shall inspect bags for leaks and wear every six months.

6) The permittee shall inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods every six months.

**Recordkeeping:**

1) The permittee shall document all pressure drop readings (see Attachment F “Pressure Drop Log for Dust Collectors”).

2) All inspections, corrective actions, and instrument calibrations shall be recorded (see Attachment E “Inspection/Maintenance/Repair/Malfunction Log”).

3) These attachments contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
4) All records shall be maintained for five years.
5) Records may be kept in either written or electronic form.

**Reporting:**

1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determined that the emission unit(s) exceeded the emission limitation(s) and/or pressure drop range listed above.

2) Reports of any deviations from the monitoring other than the pressure drop range, recordkeeping, and reporting requirements of this permit condition shall be submitted semi-annually, in the semi-annual monitoring report and annual compliance certification, as required by Section IV of this permit.

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**PERMIT CONDITION 2**

**10 CSR 10-6.070 New Source Performance Regulations**


<table>
<thead>
<tr>
<th>EIQ Reference #</th>
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<th>Manufacturer/Model #</th>
</tr>
</thead>
</table>

**Emission Limitations:**

The permittee shall not discharge or cause the discharge into the atmosphere from any affected facility any gases which: [§60.92(a)]

1) Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf). [§60.92(a)(1)]

2) Exhibit 20 percent opacity, or greater. [§60.92(a)(2)]

**Monitoring:**

1) The permittee shall conduct opacity readings on each emission unit using the procedures contained in U.S. EPA Test Method 22. The permittee is only required to take readings when the emission unit is operating and when the weather conditions allow. If the permittee observes no visible or other significant emissions using these procedures, then no further observations are required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.

2) The permittee must maintain the following monitoring schedule:
   a) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
   b) Should the permittee observe no violations of this regulation during this period then-
      i) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
      ii) If a violation is noted, monitoring reverts to weekly.
      iii) Should no violation of this regulation be observed during this period then-
          (1) The permittee may observe once per month.
          (2) If a violation is noted, monitoring reverts to weekly.

3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.
4) If at the time of this operating permit issuance the permittee has already progressed to conducting observations once every two weeks or once per month, the permittee may continue from that point forward in the established monitoring schedule; however, if a violation is noted the permittee shall revert back to weekly monitoring.

**Recordkeeping:**
The permittee shall maintain records of all observation results using Attachment B (or its equivalent), noting:
1) Whether any air emissions (except for water vapor) were visible from the emission units;
2) All emission units from which visible emissions occurred;
3) Whether the visible emissions were normal for the process;
4) The permittee shall maintain records of any equipment malfunctions, which may contribute to visible emissions; and,
5) The permittee shall maintain records of all U.S. EPA Method 9 opacity tests performed.

<table>
<thead>
<tr>
<th>EIQ Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-02</td>
<td>Cold aggregate transfer consisting of five bins having a 24” discharge conveyor, one 30” collection conveyor, and one 24” elevator which unloads to the dryer. Installed 1989; MHDR = 187 tons/hr.</td>
<td>Peerless</td>
</tr>
<tr>
<td>EP-07B</td>
<td></td>
<td>Powerflame, Inc./CR1-GO-10</td>
</tr>
<tr>
<td>EP-07C</td>
<td></td>
<td>Porta-Star</td>
</tr>
</tbody>
</table>

**Emission Limitations:**
1) The permittee shall not cause or permit emissions to be discharged into the atmosphere from any source installed or constructed after February 24, 1971 any visible emissions with an opacity greater than 20%.
2) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

**Monitoring:**
1) The permittee shall conduct opacity readings on each emission unit using the procedures contained in U.S. EPA Test Method 22. The permittee is only required to take readings when the emission unit is operating and when the weather conditions allow. If the permittee observes no visible or other significant emissions using these procedures, then no further observations are required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
2) The permittee must maintain the following monitoring schedule:
a) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.

b) Should the permittee observe no violations of this regulation during this period then-
   i) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
   ii) If a violation is noted, monitoring reverts to weekly.
   iii) Should no violation of this regulation be observed during this period then-
        (1) The permittee may observe once per month.
        (2) If a violation is noted, monitoring reverts to weekly.

3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

4) If at the time of this operating permit issuance the permittee has already progresses to conducting observations once every two weeks or once per month, the permittee may continue from that point forward in the established monitoring schedule; however, if a violation is noted the permittee shall revert back to weekly monitoring.

Recordkeeping:
The permittee shall maintain records of all observation results using Attachment B (or its equivalent), noting:
1) Whether any air emissions (except for water vapor) were visible from the emission units;
2) All emission units from which visible emissions occurred;
3) Whether the visible emissions were normal for the process;
4) The permittee shall maintain records of any equipment malfunctions, which may contribute to visible emissions; and,
5) The permittee shall maintain records of all U.S. EPA Method 9 opacity tests performed.

<table>
<thead>
<tr>
<th>EIQ Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-07A</td>
<td>Asphalt oil heaters, 5.084 MMBtu/hr, EP-07A</td>
<td>Astec/C1-GO-15</td>
</tr>
<tr>
<td></td>
<td>burns Diesel fuel, EP-07A constructed 1984</td>
<td></td>
</tr>
</tbody>
</table>

Emission Limitations:
The permittee shall not cause or permit emissions of sulfur dioxide into the atmosphere from any indirect heating source in excess of eight pounds of sulfur dioxide per million BTUs actual heat input averaged on any consecutive three hour time period.

Operational Limitations/Equipment Specifications:
The permittee shall be limited to fuel with a sulfur content of no more than 0.5% sulfur by weight.

Monitoring:
The permittee shall maintain an accurate record of the sulfur content of fuel used. The installation shall maintain records of the amount of fuel burned and verify the sulfur content. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
**Recordkeeping:**

1) The permittee shall retain the potential to emit calculations in Attachment H which demonstrates that the above emission limitations will not be exceeded.

2) The permittee shall maintain records on the premises of the analysis of all fuel used which shows weight percentage of sulfur in the fuel. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

3) These records shall be made available immediately for inspection to the Department of Natural Resources’ personnel upon request.

4) All records shall be maintained for five years.

**Reporting:**

The permittee 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 exceedance of the emission limit or sulfur content limit established by 10 CSR 10-6.260, or any malfunction which causes an exceedance.

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### PERMIT CONDITION 5


<table>
<thead>
<tr>
<th>EIQ Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-08H</td>
<td>Gasoline Storage Tank: Capacity 1,127 Gallons; Constructed 1989</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Emission Limitations and Management Practices:**

1) The permittee shall, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11115(a)]

2) The permittee shall keep applicable records and submit reports as specified in §§63.11125(d) and 63.11126(b). [§63.11115(b)]

3) Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline:

4) The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. measures to be taken include, but are not limited to, the following: [§63.11116(a)]
   a) Minimize gasoline spills; [§63.11116(a)(1)]
   b) Clean up spills as expeditiously as practicable; [§63.11116(a)(2)]
   c) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; [§63.11116(a)(3)]
   d) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. [§63.11116(a)(4)]

5) The permittee is not required to submit notifications or reports as specified in §§63.11125, 63.11126, or 40 CFR Part 63, Subpart A, but the permittee shall have records available within 24 hours of a request by the Administrator to document the gasoline throughput. [§63.11116(b)]
6) Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F, are considered acceptable for compliance with §63.11116(a)(3). [§63.11116(d)]

**Recordkeeping:**
1) The permittee shall keep the following records:
   a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11125(d)(1)]
   b) Records of the actions taken during periods of malfunction to minimize emissions in accordance with §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11125(d)(2)]
   c) The permittee shall retain records documenting their monthly gasoline throughput. Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all gasoline storage tanks located at the installation. [§§63.11111(e) and (h)]
2) All records shall be made available immediately for inspection to the Department of Natural Resources’ personnel upon request.
3) All records shall be maintained for five years.

**General Provisions:**
The permittee shall refer to Table 3 to 40 CFR Part 63, Subpart CCCCCC for 40 CFR Part 63, Subpart A applicability.

**Reporting:**
1) The permittee shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.111115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. [§63.11126(b)]
2) The permittee shall report any deviations from the requirements of this permit condition in the annual monitoring report and annual compliance certification required by Section V of this permit.

<table>
<thead>
<tr>
<th>PERMIT CONDITION 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 CSR 10-6.020(2)(I)24, and 10 CSR 10-6.065(5)(C)2. Voluntary Limitation(s)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EIQ Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
</table>

**Operational Limitations:**
The permittee shall be limited to a 100 tons/hr production rate.

**Monitoring/Recordkeeping:**
1) The permittee shall maintain an accurate record of the production rate. Attachment J, or an equivalent shall be used to demonstrate compliance with the operational limit.
2) These records shall be made available immediately for inspection to the Department of Natural Resources’ personnel upon request.
3) All records shall be maintained for five years.

**Reporting:**
The permittee 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 exceedance of any limitation established by this permit condition.
IV. Core Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR), Code of State Regulations (CSR), and local ordinances for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance. The following is only an excerpt from the regulation or code, and is provided for summary purposes only.

**10 CSR 10-6.045 Open Burning Requirements**

1) **General Provisions.** The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.

2) **Certain types of materials may be open burned provided an open burning permit is obtained from the director.** The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.

3) **Reporting and Recordkeeping.** New Source Performance Standard (NSPS) 40 CFR Part 60 Subpart CCCC establishes certain requirements for incinerators that burn wood trade waste. These requirements are established in 40 CFR 60.2245-60.2260. The provisions of 40 CFR part 60 Subpart CCCC promulgated as of September 22, 2005 shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with NSPS 40 CFR 60.2245-60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the director.


**10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions**

1) In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the director within two business days, in writing, the following information:
   a) Name and location of installation;
   b) Name and telephone number of person responsible for the installation;
   c) Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
   d) Identity of the equipment causing the excess emissions;
   e) Time and duration of the period of excess emissions;
   f) Cause of the excess emissions;
   g) Air pollutants involved;
   h) Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
   i) Measures taken to mitigate the extent and duration of the excess emissions; and
j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.

2) The permittee shall submit the paragraph 1 information list to the director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.

3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under Section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under Section 643.080 or 643.151, RSMo.

4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under Sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.

5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required
The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits
The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(5)(B)1.A(III)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)3.B]

10 CSR 10-6.100 Alternate Emission Limits
Proposals for alternate emission limitations shall be submitted on Alternate Emission Limits Permit forms provided by the department. An installation owner or operator must obtain an Alternate Emission Limits Permit in accordance with 10 CSR 10-6.100 before alternate emission limits may become effective.
10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

1) The permittee shall submit full emissions report either electronically via MoEIS, which requires Form 1.0 signed by an authorized company representative, or on Emission Inventory Questionnaire (EIQ) paper forms on the frequency specified in this rule and in accordance with the requirements outlined in this rule. Alternate methods of reporting the emissions, such as spreadsheet file, can be submitted for approval by the director.

2) The permittee may be required by the director to file additional reports.

3) Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.

4) The permittee shall submit a full EIQ for the 2011, 2014, 2017, and 2020 reporting years. In the interim years the installation may submit a Reduced Reporting Form; however, if the installation’s emissions increase or decrease by more than five tons when compared to their last submitted full EIQ, the installation shall submit a full EIQ rather than a Reduced Reporting Form.

5) In addition to the EIQ submittal schedule outlined above, any permit issued under 10 CSR 10-6.060 Section (5) or (6) triggers a requirement that a full EIQ be submitted in the first full calendar year after the permitted equipment initially operates.

6) The fees shall be payable to the Department of Natural Resources and shall be accompanied by the emissions report.

7) The permittee shall complete required reports on state supplied EIQ forms or electronically via MoEIS. Alternate methods of reporting the emissions can be submitted for approval by the director. The reports shall be submitted to the director by April 1 after the end of each reporting year. If the full emissions report is filed electronically via MoEIS, this due date is extended to May 1.

8) The reporting period shall end on December 31 of each calendar year. Each report shall contain the required information for each emission unit for the twelve (12)-month period immediately preceding the end of the reporting period.

9) The permittee shall collect, record and maintain the information necessary to complete the required forms during each year of operation of the installation.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.
10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

**Emission Limitation:**

1) The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the director.

2) The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.

3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
   a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
   b) Paving or frequent cleaning of roads, driveways and parking lots;
   c) Application of dust-free surfaces;
   d) Application of water; and
   e) Planting and maintenance of vegetative ground cover.

**Monitoring:**

The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. If the permittee discovers a violation, the permittee shall undertake corrective action to eliminate the violation.

The permittee shall maintain the following monitoring schedule:

1) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.

2) Should no violation of this regulation be observed during this period then-
   a) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
   b) If a violation is noted, monitoring reverts to weekly.
   c) Should no violation of this regulation be observed during this period then-
      i) The permittee may observe once per month.
      ii) If a violation is noted, monitoring reverts to weekly.

3) If the permittee reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

**Recordkeeping:**

The permittee shall document all readings on Attachment A, or its equivalent, noting the following:

1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.

2) Whether the visible emissions were normal for the installation.

3) Whether equipment malfunctions contributed to an exceedance.

4) Any violations and any corrective actions undertaken to correct the violation.
**10 CSR 10-6.180 Measurement of Emissions of Air Contaminants**

1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.

2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.

3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

**10 CSR 10-6.165 Restriction of Emission of Odors**

This requirement is not federally enforceable.

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

**10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants**

*Emission Limitation:* No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions in excess of the limits specified by this rule. This permit will contain the opacity limits identified (10, 20 or 40 percent) for the specific emission units.

*Monitoring:* 1) The permittee shall conduct opacity readings on each emission unit using the procedures contained in U.S. EPA Test Method 22. The permittee is only required to take readings when the emission unit is operating and when the weather conditions allow. If the permittee observes no visible or other significant emissions using these procedures, then no further observations are required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.

2) The permittee must maintain the following monitoring schedule:
   a) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
   b) Should the permittee observe no violations of this regulation during this period then-
      i) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
      ii) If a violation is noted, monitoring reverts to weekly.
      iii) Should no violation of this regulation be observed during this period then-
          (1) The permittee may observe once per month.
          (2) If a violation is noted, monitoring reverts to weekly.

3) If at the time of this operating permit issuance the permittee has already progressed to conducting observations once every two weeks or once per month, the permittee may continue from that point forward in the established monitoring schedule; however, if a violation is noted the permittee shall revert back to weekly monitoring.
4) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

**Recordkeeping:**
The permittee shall maintain records of all observation results using Attachment C (or its equivalent), noting:
1) Whether any air emissions (except for water vapor) were visible from the emission units;
2) All emission units from which visible emissions occurred;
3) Whether the visible emissions were normal for the process;
4) The permittee shall maintain records of any equipment malfunctions, which may contribute to visible emissions; and,
5) The permittee shall maintain records of all USEPA Method 9 opacity tests performed.

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**Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone**

1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
   a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
   b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
   c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
   d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.

2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
   a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
   b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
   c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
   d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
   e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
   f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.

4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air
conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

5) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, Significant New Alternatives Policy Program. Federal Only - 40 CFR Part 82

<table>
<thead>
<tr>
<th>10 CSR 10-6.280 Compliance Monitoring Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:</td>
</tr>
<tr>
<td>a) Monitoring methods outlined in 40 CFR Part 64;</td>
</tr>
<tr>
<td>b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and</td>
</tr>
<tr>
<td>c) Any other monitoring methods approved by the director.</td>
</tr>
<tr>
<td>2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:</td>
</tr>
<tr>
<td>a) Monitoring methods outlined in 40 CFR Part 64;</td>
</tr>
<tr>
<td>b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and</td>
</tr>
<tr>
<td>c) Compliance test methods specified in the rule cited as the authority for the emission limitations.</td>
</tr>
<tr>
<td>3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:</td>
</tr>
<tr>
<td>a) Applicable monitoring or testing methods, cited in:</td>
</tr>
<tr>
<td>i) 10 CSR 10-6.030, “Sampling Methods for Air Pollution Sources”;</td>
</tr>
<tr>
<td>ii) 10 CSR 10-6.040, “Reference Methods”;</td>
</tr>
<tr>
<td>iii) 10 CSR 10-6.070, “New Source Performance Standards”;</td>
</tr>
<tr>
<td>iv) 10 CSR 10-6.080, “Emission Standards for Hazardous Air Pollutants”; or</td>
</tr>
<tr>
<td>b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.</td>
</tr>
</tbody>
</table>
V. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

<table>
<thead>
<tr>
<th>10 CSR 10-6.065, §(5)(E)2 and §(6)(C)1.B Permit Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Recordkeeping and Reporting Requirements</th>
</tr>
</thead>
</table>
| 1) Recordkeeping  
   a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.  
   b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources’ personnel upon request. |
| 2) Reporting  
   a) All reports shall be submitted to the Air Pollution Control Program Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.  
   b) The permittee shall submit a report of all required monitoring by:  
      i) April 1st for monitoring which covers the January through December time period.  
      ii) Exception. Monitoring requirements which require reporting more frequently than annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.  
   c) Each report shall identify any deviations from emission limitations, monitoring, recordkeeping, reporting, or any other requirements of the permit.  
   d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.  
      i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken. |
ii) Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.

iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.

e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.

f) The permittee may request confidential treatment of information submitted in any report of deviation.

<table>
<thead>
<tr>
<th>10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)</th>
</tr>
</thead>
</table>
| The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:
1) June 21, 1999;
2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
3) The date on which a regulated substance is first present above a threshold quantity in a process. |

<table>
<thead>
<tr>
<th>10 CSR 10-6.065(5)(C)1.A General Requirements</th>
</tr>
</thead>
</table>
| 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.
6) Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit. |
None

10 CSR 10-6.065, §(5)(B)4; §(5)(C)1, §(6)(C)3.B; and §(6)(C)3.D; and §(5)(C)3 and §(6)(C)3.E.(I) – (III) and (V) – (VI) Compliance Requirements

1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.

2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation’s right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
   a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
   b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
   c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
   d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.

3) All progress reports required under an applicable schedule of compliance shall be submitted semi-annually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
   a) Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
   b) An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.

4) The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and exceedances must be included in the compliance certifications. The compliance certification shall include the following:
   a) The identification of each term or condition of the permit that is the basis of the certification;
   b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
   c) Whether compliance was continuous or intermittent;
   d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and
   e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions

1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions...
limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
   a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
   b) That the installation was being operated properly,
   c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
   d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.

2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(5)(C)5 Off-Permit Changes

1) Except as noted below, the permittee may make any change in its permitted installation’s operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Off-permit changes shall be subject to the following requirements and restrictions:
   a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is a Title I modification; Please Note: Changes at the installation which affect the emission limitation(s) classifying the installation as an intermediate source (add additional equipment to the recordkeeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.
   b) The permittee must provide written notice of the change to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, no later than the next annual emissions report. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
   c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes.

10 CSR 10-6.020(2)(R)12 Responsible Official

The application utilized in the preparation of this permit was signed by Tony Keller, Vice President. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.
This permit may be reopened for cause if:

1) The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,

2) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
   a) The permit has a remaining term of less than three years;
   b) The effective date of the requirement is later than the date on which the permit is due to expire; or
   c) The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,

3) The Missouri Department of Natural Resources or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

VI. Attachments

Attachments follow.
Attachment A
Opacity Emission Observations

This attachment may be used to demonstrate compliance with 10 CSR 10-6.170, *Restriction of Particulate Matter to the Ambient Air Beyond the Premise of Origin*

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Emission Source</th>
<th>Visible Emissions</th>
<th>Excess Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>No</td>
<td>Yes¹</td>
</tr>
</tbody>
</table>

¹If there are visible emissions, the permittee shall complete the excess emissions columns.
This attachment may be used to demonstrate compliance with 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Visible Emissions</th>
<th>Abnormal Emissions</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Emission Source</td>
<td>Normal</td>
<td>Cause</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Less Than</td>
<td>Corrective Action</td>
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<tr>
<td></td>
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<td>Greater Than</td>
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</tbody>
</table>
Attachment C
Method 9 Opacity Emissions Observations

This attachment may be used to demonstrate compliance with 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*

<table>
<thead>
<tr>
<th>Method 9 Opacity Emissions Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Company</td>
</tr>
<tr>
<td>Location</td>
</tr>
<tr>
<td>Date</td>
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<tr>
<td>Time</td>
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<table>
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<th>Hour</th>
<th>Minute</th>
<th>Seconds</th>
<th>Steam Plume (Check if Applicable)</th>
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<td>Attached</td>
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<td>1</td>
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**SUMMARY OF AVERAGE OPACITY**

<table>
<thead>
<tr>
<th>Set Number</th>
<th>Time</th>
<th>Opacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Start</td>
<td>End</td>
</tr>
</tbody>
</table>

Readings ranged from __________ to __________ % opacity.

Was the emission unit in compliance at the time of evaluation? __________

Signature of Observer
Attachment D
Inspection/Maintenance/Repair/Malfunction Log

This Attachment may be used to demonstrate compliance with 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*

Emission Unit ##________________________

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Inspection/Maintenance Activities</th>
<th>Malfunction Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
Attachment E

Inspection/Maintenance/Repair/Malfunction Log

This attachment may be used to demonstrate compliance with 40 CFR Part 60 Subpart I.

<table>
<thead>
<tr>
<th>Date</th>
<th>Equipment/Emission Unit</th>
<th>Activities Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>
Attachment F
Pressure Drop Log for Dust Collectors

This attachment may be used to demonstrate compliance with 40 CFR Part 60 Subpart I.

<table>
<thead>
<tr>
<th>Control Device ID</th>
<th>Week Beginning (Month/Day/Year)</th>
<th>Week Ending (Month/Day/Year)</th>
<th>Pressure Drop (inches water)</th>
<th>Within Specifications? (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>
**Attachment G**

This attachment may be used to demonstrate compliance with the voluntary condition limiting CO emissions. This sheet covers the period from _______________ to _______________.

<table>
<thead>
<tr>
<th>EP-##</th>
<th>Month/Year</th>
<th>¹Amount &amp; Type of Throughput</th>
<th>²CO Emission Factor</th>
<th>³Monthly Emissions (tons CO)</th>
<th>⁴12-Month Total Emissions (tons CO)</th>
</tr>
</thead>
</table>


⁴Add the current monthly emissions to the sum of the previous 11 monthly emissions. A total of less than 100 tons is necessary for compliance.

Attachment H

This attachment may be used to demonstrate compliance with the limitations of 10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds* for the equipment listed.

**EP-07 Asphalt Tank Heaters**

\[ Emission Limit = \frac{8 \text{lbs} \; \text{SO}_2}{\text{MMBtu}} \]

\[ SO_2 \; Concentration = \frac{MHDR \times EF \times S}{Heat \; Input} \]

**Diesel:**

\[ MHDR = 0.037 \frac{\text{Mgal}}{\text{hr Total}} \]

\[ Heat \; Input = 5.084 \frac{\text{MMBtu}}{\text{hr Total}} \]

\[ S = 1 \% \; Sulfur^* \]

\[ EF = 142 \frac{\text{lbs} \; \text{SO}_2}{\text{Mgal}} \]

\[ SO_2 \; Concentration = \frac{0.037 \times 142 \times 1 \frac{\text{lbs} \; \text{SO}_2}{\text{MMBtu}}}{5.084} = 1.03 \frac{\text{lbs} \; \text{SO}_2}{\text{MMBtu}} < 8 \frac{\text{lbs} \; \text{SO}_2}{\text{MMBtu}} \]

Therefore, this Emission unit is in compliance.

*Maximum % sulfur listed in AP-42, Appendix A; actual % sulfur is 0.0015%.

*Emission factors used for these calculations were taken from EPA’s WEBFIRE.
10 CSR 10-6.260, Restriction of Emission of Sulfur Compounds
EP04-Dryer

Emission Limit = 500 ppmv SO₂
= 35 mg/m³ SO₃

MHDR = 100 tons/hr
Temp (°F) = 210 °F
Q = 22653 ACFM
EF = 0.0046 lbs SO₂/ton (AP-42, Table 11.1-5)

SO₂ Conc. (C) = MHDR x EF x 453.59 x 10E6 x (F + 460) x 22.4 / (60 x (32 + 460) x 0.02831 x 1000 x 64 x Q)
= 25.85 ppmv < 500 ppmv

SO₃ Conc. (C₁) = MHDR x EF(SO₃) x 16.018E6/Q/60
0.075 mg/m³ < 35 mg/m³

Therefore this emission unit is in compliance.
Attachment J
This attachment may be used to demonstrate compliance with the voluntary condition limiting the production rate of EP-04. This sheet covers the period of ________________.  
(Month, Year)

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Date</td>
<td>Production (tons)(^1)</td>
<td>Hours of Operation (hrs)(^2)</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
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<tr>
<td>31</td>
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</tbody>
</table>

\(^1\) Total amount of asphalt produced using EP-04 during corresponding day listed in [Column 1]. (in tons)

\(^2\) Total number of hours EP-04 was in operation during corresponding day listed in [Column 1]. (in hrs)

\(^3\) \(\frac{\text{Column 12}}{\text{Column 3}}\) = [Column 4] (in tons/hr)

*A production rate of less than or equal to 100 tons/hr demonstrates compliance with Permit Condition 6.
STATEMENT OF BASIS

Voluntary Limitations
In order to qualify for this Intermediate State Operating Permit, the permittee has accepted voluntary, federally enforceable emission limitations. Per 10 CSR 10-6.065(5)(C)1.A.(VI), if these limitations are exceeded, the installation immediately becomes subject to 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit. It is the permittee’s responsibility to monitor emission levels and apply for a part 70 operating permit far enough in advance to avoid this situation. This may mean applying more than eighteen months in advance of the exceedance; since it can take that long or longer to obtain a part 70 operating permit.

Permit Reference Documents
These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

1) Intermediate Operating Permit Application, received June 10, 2013;
2) 2012 Emissions Inventory Questionnaire, received April 03, 2013;
3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition; and
4) No permit required, Project #0040-P011-007

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits
In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

None

Other Air Regulations Determined Not to Apply to the Operating Permit
The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

None

Construction Permit Reviews
The following construction permits were issued to this installation:
1) Construction Permit #0687-003, Issued June 10, 1987
   This permit was issued to authorize construction of the installation. It contains four special conditions. Special Conditions #1, #2, and #4 detail the requirements for stack testing to determine compliance with 40 CFR Part 60 Subpart I. This testing was successfully completed September 22, 1987. Since these requirements have been met, they are not included in the Operating Permit. Special Condition #3 requires the installation to use the control devices whenever the plant is operating. This condition appears as Permit Condition PW001. Monitoring, recordkeeping, and reporting requirements have been included to assure compliance with the emission limit.
2) No Permit Required, Project #0040-P011-007
   This letter authorizes the installation of a 150 ton capacity storage silo for hot mix asphalt.

3) Replacement Asphalt Oil Heater
   In 2009, Keller Construction Company replaced their CEI Model 800A asphalt oil heater,
   S/N H-64084 with an Astec Model C1-GO-15 asphalt oil heater, S/N 070726316-17. This
   replacement did not require a construction permit per 10 CSR 10-6.061(3)(A)3.A. & 10 CSR 10-
   6.061(3)(A)3.B.

New Source Performance Standards (NSPS) Applicability
40 CFR Part 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities
The affected facility to which the provisions of this subpart apply is each hot mix asphalt facility. For
the purpose of this subpart, a hot mix asphalt facility is comprised only of any combination of the
following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for
loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading,
transfer, and storage systems associated with emission control systems.

40 CFR Part 60, Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for
Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to
May 19, 1978.
40 CFR Part 60, Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquids for
Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July
40 CFR Part 60, Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels
(Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification
These regulations do not apply to the Tanks under EP-08. All of the oil/fuel tanks are exempt per
60.110b(b) because their vapor pressures are less than 3.5 KPa. The gasoline tank is exempt because it is
smaller than 19,813 gallons (the cutoff for Kb).

40 CFR Part 60 Subpart UU, Standards of Performance for Asphalt Processing and Asphalt Roofing
Manufacture
This rule is not applicable because this subpart only applies to asphalt roofing plants, asphalt processing
plants, and petroleum refineries and this facility does not meet the definitions of these in 40 CFR 60.471.

Maximum Achievable Control Technology (MACT) Applicability
40 CFR Part 63 Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for
Source Category: Gasoline Dispensing Facilities
The affected facility to which the provisions of this rule apply is each gasoline dispensing facility. A
gasoline dispensing facility is any stationary facility which dispenses gasoline into the fuel tank of a
motor vehicle, motor vehicle engine, nonroad vehicle, or nonroad engine, including a nonroad vehicle or
nonroad engine used solely for competition. These facilities include, but are not limited to, facilities that
dispense gasoline into on- and off-road, street, or highway motor vehicles, lawn equipment, boats, test
engines, landscaping equipment, generators, pumps, and other gasoline-fueled engines and equipment.
This rule applies to EP-08H, gasoline storage tank.
National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability
None.

Updated Potential to Emit for the Installation

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Potential to Emit @ 8760 hrs (tons/yr)</th>
<th>Potential to Emit w/ CO Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>329.4</td>
<td>100</td>
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<tr>
<td>HAP</td>
<td>7.55</td>
<td>3.17</td>
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<td>24.4</td>
<td>10.11</td>
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<td>6.89</td>
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<td>16.89</td>
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</tr>
<tr>
<td>CO\textsubscript{2}e</td>
<td>22,945</td>
<td>9,022</td>
</tr>
</tbody>
</table>

Other Regulatory Determinations

10 CSR 10-6.260, Restriction of Emission of Sulfur Compounds
This regulation does not apply to EP-04, Asphalt plant rotary dryer, because this emission unit burns propane. 10 CSR 10-6.260(1)(A)1. exempts these emission units.

10 CSR 10-6.400, Restriction of Emission of Particulate Matter from Industrial Processes
This regulation does apply to the dryer (EP-04), but because the particulate matter emissions are already regulated by 40 CFR Part 60 Subpart I with stricter limits, the requirements of 10 SCR 10-6.400 are satisfied. Therefore, 10 CSR 10-6.400 is not included in the permit conditions.

EP-02
This regulation does not apply to EP-02 because the uncontrolled potential to emit is less than the allowable emissions as calculated by 10 CSR 10-6.400(3)(A)(1) and (2).

\[ E = 4.1(P)^{0.67} \quad \text{ (P \leq 30)} \]
\[ E = 55(P)^{0.11} - 40 \quad \text{ (P \geq 30)} \]

P is process weight rate in tons/hour and E is emission rate limit in lb/hour.

\[ \text{Emission Rate} \left( \frac{\text{lb}}{\text{hr}} \right) = \text{Process Weight Rate} \left( \frac{\text{ton}}{\text{hr}} \right) \times \text{PM Emission Factor} \left( \frac{\text{lb}}{\text{ton}} \right) \]

<table>
<thead>
<tr>
<th>EU ##</th>
<th>Associated Equipment</th>
<th>Process Weight Rate (ton/hr)</th>
<th>PM Emission Factor (lb/ton)</th>
<th>Emission Factor Reference</th>
<th>Potential Uncontrolled Emission Rate (lb/hr)</th>
<th>Emission Rate Limit (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-02</td>
<td>Cold Aggregate Transfer</td>
<td>177.65</td>
<td>0.029</td>
<td>WebFIRE, SCC 30502503</td>
<td>5.15</td>
<td>57.23</td>
</tr>
</tbody>
</table>

10 CSR 10-6.220, Restriction of Emission of Visible Air Contaminants
The rotary dryer (EP-04) is exempt from this rule, per 6.220(1)(H) since the emission unit is subject to 10 CSR 10-6.070, Subpart I.


This rule does not apply to the asphalt tank heaters (EP-07 A, B, & C) because these emission units are fueled by propane, natural gas, and fuel oil #2 per 10 CSR 10-6.405(1)(E).

**Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis**

Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons.

1) The specific pollutant regulated by that rule is not emitted by the installation.
2) The installation is not in the source category regulated by that rule.
3) The installation is not in the county or specific area that is regulated under the authority of that rule.
4) The installation does not contain the type of emission unit which is regulated by that rule.
5) The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the Air Pollution Control Program a schedule for achieving compliance for that regulation(s).

Prepared by:

David Buttig
Environmental Engineer
A draft of the Keller Construction Company’s Intermediate Operating Permit was placed on public notice on June 27, 2014, by the Missouri Department of Natural Resources (MDNR). Comments were received on July 23, 2014 from Robert Cheever, Environmental Engineer in the Air Permitting and Compliance Branch of the Environmental Protection Agency Region 7. The eight (8) comments are presented below as submitted, with the response to each comment by the Air Pollution Control Program (APCP) directly following.

**EPA Comment #1:**
The Installation Description in Section I has no installation description and EPA suggests that an installation description be added.

**Missouri Air Pollution Control Program Response to EPA Comment #1:**
A Description of the Installation was added to Section I of the Operating Permit.

**EPA Comment #2:**
EPA suggests the wording in the operational limitation in plant wide Permit Condition PW001 be modified to say “The permittee shall operate and maintain all air pollution control equipment associated with this asphalt plant as prescribed by the manufacturer in accordance with Special Condition #3 in Permit to Construct #0687-003.

**Missouri Air Pollution Control Program Response to EPA Comment #2:**
The recommended wording has been incorporated into the operating permit.

**EPA Comment #3:**
Permit Condition 1 and Permit Condition 2 both indicate the asphalt plant rotary drum dryer has a MDHR of 187 tons asphalt/hr. However, the Permit to Construct #0687-003 authorized the installation of an asphaltic concrete batch plant rated to produce 100 tons of asphalt per hour. All of the air quality impact analysis and facility potential to emit is based on 100 tons of asphalt per hour. I have been unable to find any construction permits issued since permit to construct #0687-003 authorizing a production increase from 100 to 187 tons of asphalt per hour. EPA recommends MDNR provide an explanation.
Missouri Air Pollution Control Program Response to EPA Comment #3:
Permit Condition 7 has been added to the operating permit as a voluntary limitation. Keller Construction Company has agreed to limit the production rate to the permitted 100 tons/hr. Attachment J has been added to the operating permit in order to show compliance with this permit condition.

EPA Comment #4:
The customary practice, when incorporating applicable requirements into an operating permit, is to present the requirements in the form of “who” shall do “what” and “how” and by “when.” The “who” is most often identified as the “permittee.” Many of the requirements included in Permit Condition 1, Permit Condition 2, Permit Condition 3, Permit Condition 4, Permit Condition 5 and Permit Condition 6 do not follow this MDNR convention. EPA suggests MDNR consider revising the requirements in these permit conditions to follow the “permittee shall” convention.

Missouri Air Pollution Control Program Response to EPA Comment #4:
Permit Conditions 1 through Permit Condition 6 have been modified to include the phrase “the permittee shall” as suggested.

EPA Comment #5:
There appears to be different size fonts used in Permit Condition 6 and EPA suggests a consistent font be used throughout.

Missouri Air Pollution Control Program Response to EPA Comment #5:
The font size differences have been corrected to be uniform throughout the permit.

EPA Comment #6:
Emission Limitation 1, in Permit Condition 2 limits sulfur dioxide emissions from “new” sources. EPA suggests MDNR either define “new” or include the date after which sources are considered “new.”

Missouri Air Pollution Control Program Response to EPA Comment #6:
The new source date for construction or installation of February 24, 1971 has been added to Permit Condition 2. This addition is to clarify which emission units are considered “new” for the purposes of this permit condition.

EPA Comment #7:
Attachment G and Attachment H are used to demonstrate compliance with the emission limitations in the operating permit and both attachments include emission factors. However, the source of these emission factors is not identified and EPA recommends MDNR include an emission factor reference(s).

Missouri Air Pollution Control Program Response to EPA Comment #7:
Attachments G and H have been updated to include instructions on how to demonstrate compliance.

EPA Comment #8:
The Statement of Basis includes a section on Other Regulatory Determinations and this draft operating permit lists 10 CSR 10-6.400; Restriction of Emission of Particulate Matter from Industrial Processes. MDNR states that this regulation does not apply to emission unit EP-04 because the particulate matter emissions are already regulated by 40 CFR Part 60, Subpart I. EPA suggests that this regulation in fact does apply, however, facility compliance with 40 CFR Part 60, subpart I (which has a
more strict limit) satisfies compliance with 10 CSR 10-6.400. This is a good example of “streamlining”
which is an approach EPA strongly encourages and supports. Therefore EPA recommends MDNR
review the wording in the Statement of Basis for accuracy.

Missouri Air Pollution Control Program Response to EPA Comment #8:
The discussion for 10 CSR 10-6.400 applicability to EP-04 found in the Statement of Basis under Other
Regulatory Determinations has been changed to state that it applies. It has also been changed to state
that it is not included in the permit due to the stricter limits to particulate matter emissions imposed by
40 CFR Part 60 Subpart I.
Mr. Tony Keller  
Keller Construction Company  
P.O. Box 8339  
St. Joseph, MO 64506  

Re: Keller Construction Company, 003-P011  
   Permit Number: OPYYYY-###  

Dear Mr. Keller:

Enclosed with this letter is your intermediate operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

You may appeal this permit to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.078.16 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within thirty (30) days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If you send your appeal by registered or certified mail, we will deem it filed on the date you mailed it. If you send your appeal by a method other than registered or certified mail, we will deem it filed on the date the AHC receives it.

If you have any questions or need additional information regarding this permit, please do not hesitate to contact David Buttig at the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.  
Operating Permit Unit Chief

MJS/dbk

Enclosures

c: Kansas City Regional Office  
PAMS File: 2013-06-023