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: OP2017-025
Expiration Date: MAR 2 2 2022
Installation ID: 209-0007
Project Number: 2015-06-071

Installation Name and Address
Table Rock Asphalt Construction
203 Stone Ridge Center Road
Kimberling City, MO 65686
Stone County

Parent Company's Name and Address
Table Rock Asphalt Construction
P.O. Box 1165
Branson, MO 65616

Installation Description:
Table Rock Asphalt operates two plants: a concrete plant and a rock crushing plant. The concrete plant is a truck mix plant and has a maximum hourly design rate (MHDR) of 300 tons per hour (tph). The rock crushing plant has an MHDR of 300 tph. The facility is a synthetic minor source of Particulate Matter less than or equal to 10 microns in diameter (PM10) and is subject to Subpart OOO. The installation is located in Stone County, which is an attainment area for all criteria pollutants.

Prepared by:
Bern Johnson
Operating Permit Unit

Director or Designee
Department of Natural Resources
MAR 2 2 2017
Effective Date
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I. Installation Equipment Listing

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>2015 EIQ Emission Point #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concrete Plant</strong></td>
<td></td>
</tr>
<tr>
<td>EP 1</td>
<td>Stockpile Con Rock</td>
</tr>
<tr>
<td>EP 2</td>
<td>Stockpile - Sand</td>
</tr>
<tr>
<td>EP 3</td>
<td>Transfer To Aggregate Storage Bins</td>
</tr>
<tr>
<td>EP 4</td>
<td>Aggregate Batcher</td>
</tr>
<tr>
<td>EP 5</td>
<td>Cement Silo</td>
</tr>
<tr>
<td>EP 6</td>
<td>Cement Batcher</td>
</tr>
<tr>
<td>EP 7</td>
<td>Fly Ash Silo</td>
</tr>
<tr>
<td>EP 8</td>
<td>Mixer Truck</td>
</tr>
<tr>
<td><strong>Stationary Rock Crushing Plant</strong></td>
<td></td>
</tr>
<tr>
<td>EP 9</td>
<td>Shot Rock</td>
</tr>
<tr>
<td>EP 10</td>
<td>Haul From Mine To Feeder</td>
</tr>
<tr>
<td>EP 11</td>
<td>Loading Into Feeder</td>
</tr>
<tr>
<td>EP 12</td>
<td>Jaw Crusher</td>
</tr>
<tr>
<td>EP 13</td>
<td>Secondary Crushing-Impact</td>
</tr>
<tr>
<td>EP 14</td>
<td>Haul To Stockpile</td>
</tr>
<tr>
<td>EP 15</td>
<td>Screen</td>
</tr>
<tr>
<td>EP 16</td>
<td>Stockpile 1&quot; To 1 1/2&quot; Rock</td>
</tr>
<tr>
<td>EP 17</td>
<td>Stockpile Chips</td>
</tr>
<tr>
<td>EP 18</td>
<td>Stockpile Base</td>
</tr>
<tr>
<td>EP 19</td>
<td>Stockpile Concrete</td>
</tr>
<tr>
<td>EP 20</td>
<td>Screen</td>
</tr>
<tr>
<td>EP 21</td>
<td>Pug Mill</td>
</tr>
</tbody>
</table>

EMISSION UNITS WITHOUT SPECIFIC LIMITATIONS
The following list provides a description of the equipment, which does not have unit specific limitations at the time of permit issuance.

None
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. The plant wide conditions apply to all emission units at this installation. All emission units are listed in Section I under Emission Units with Limitations and Emission Units without Limitations.

<table>
<thead>
<tr>
<th>PERMIT CONDITION PW 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 CSR 10-6.060 Construction Permits Required</td>
</tr>
<tr>
<td>Construction Permit No. 0393-002, Issued March 2, 1993</td>
</tr>
</tbody>
</table>

**Operational Limitation:**
The permittee shall implement and maintain a wet system control, including water application, on all dust sources including, but not limited to, vehicular traffic areas, crushers, screens, conveyors, and aggregate storage piles when conditions exist which would otherwise cause a violation of Missouri Rule 10 CSR 10-6.170, “Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin” or 40 CFR Part 60, Subpart OOO, “Standards of Performance for Nonmetallic Mineral Processing Plants.” [Special Condition No. 4]

**Monitoring/Recordkeeping:**
Monitoring of wet system controls is achieved through Permit Condition PW 3.

**Reporting:**
1) The permittee shall report to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which the permittee determines that the installation exceeded the emission limitation listed above.
2) Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.

<table>
<thead>
<tr>
<th>PERMIT CONDITION PW 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 CSR 10-6.020(2)(I)23. and 10 CSR 10-6.065(5)(C)2. Voluntary Limitation(s)</td>
</tr>
</tbody>
</table>

**Emission Limitation:**
The permittee shall emit less than 100 tons of PM$_{10}$ per rolling 12-month period from the entire installation.

**Monitoring/Recordkeeping:**
1) The permittee shall maintain records of PM$_{10}$ emitted into the atmosphere using Attachment H or an equivalent form generated by the permittee.
2) The permittee shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources’ personnel upon request.
Reporting:
1) The permittee shall report to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which the permittee determines that the installation exceeded the emission limitation listed above.

2) Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.

Emission Limitation:
1) The permittee shall not allow emissions from control devices greater than the limits in Attachment E (from Table 2 of Subpart OOO). [§60.672(a)]
   i) Vents in a building must meet the applicable stack emission limits and compliance requirements in Attachment E. [§60.672(e)(2)]
   ii) A baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) in Attachment H, but must meet the applicable stack opacity limit and compliance requirements in Attachment H. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions. [§60.672(f)]

2) The permittee shall not allow fugitive emissions greater than the opacity limits in Attachment E (from Table 3 of Subpart OOO). Fugitive emissions are defined as particulate matter that is not collected by a capture system and is released to the atmosphere at the point of generation. [§60.672(b)]
   i) Fugitive emissions from building openings (except for vents described in 1)i) above) must not exceed 7% opacity. [§60.672(e)(1)]

3) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of Subpart OOO. [§60.672(d)]

Monitoring:
1) The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required in Recordkeeping: 1). [§60.674(b)]
   i) If the permittee relies on water carryover from upstream water sprays to control fugitive emissions, then it is exempt from the five-year repeat testing requirement specified in Attachment G (Table 3) provided that it meets the following criteria: [§60.674(b)(1)]
      a) The permittee conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility [§60.674(b)(1)(i)].
      b) The permittee designates which upstream water spray(s) shall be periodically inspected at the time of the initial performance test. [§60.674(b)(1)(ii)]
ii) If the permittee routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry shall specify the control mechanism being used instead of the water sprays. [§60.674(b)(2)]

2) In determining compliance with the particulate matter standards in **Emission Limitation: 2)** above, the permittee shall use Method 9, with the following additions: [40 CFR 60.675(c)(1)]
   i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). [40 CFR 60.675(c)(1)(i)]
   ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed. [40 CFR 60.675(c)(1)(ii)]

3) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin using Method 9, the duration of the Method 9 observations shall be one hour (ten 6-minute averages). [§60.675(c)(2)]
   i) The duration of the Method 9 observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than one hour at a time. [§60.675(c)(2)(i)]

4) When determining compliance with the fugitive emissions standard in **Emission Limitation: 2)** above, the duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Attachment H must be based on the average of these 6-minute averages. [40 CFR 60.675(c)(3)]

5) To demonstrate compliance with the fugitive emission limits for buildings specified in **Emission Limitation: 1)** above, the permittee must complete the testing specified below. Performance tests must be conducted while all affected facilities inside the building are operating. [§60.675(d)]
   i) If the permittee has previously conducted an initial Method 22 performance test showing zero visible emissions, then the permittee has demonstrated compliance with the opacity limit in **Emission Limitation: 2)**. [§60.675(d)(2)]

6) The permittee may use the following as alternatives to the reference methods and procedures specified in 3) above, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used: [40 CFR 60.675(e)]
   i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream. [40 CFR 60.675(e)(1)(i)]
   ii) Separate the emissions so that the opacity of emissions from each affected facility can be read. [40 CFR 60.675(e)(1)(ii)]

7) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met: [40 CFR 60.675(e)(2)]
   i) No more than three emission points may be read concurrently. [40 CFR 60.675(e)(2)(i)]
   ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. [40 CFR 60.675(e)(2)(ii)]
   iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.[40 CFR 60.675(e)(2)(iii)]
**Recordkeeping:**

1) The permittee shall record each periodic inspection required under Monitoring: 1) or 2), including dates and any corrective actions taken, in a logbook (in written or electronic format). The permittee must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Director upon request. [§60.676(b)(1)]

2) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Emission Limitation: , including reports of opacity observations made using Method 9 to demonstrate compliance. [§60.676(f)]

3) The permittee shall submit to the Director a notification of the actual date of initial startup for the following: [§60.676(i)]
   i) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the permittee to the Director. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. [§60.676(i)(1)]

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

5) All records must be maintained for five years.

**Reporting:**

1) The permittee shall report to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after then end of the month during which the permittee determines that the installation exceeded the emission limitation listed above.

2) Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.
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.

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
<th>Control Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 5</td>
<td>Cement Silo</td>
<td>CD-3 Fabric Dust Filter</td>
</tr>
</tbody>
</table>

**Operational Limitation:**

The permittee shall operate and maintain fabric filters on the concrete batch plant’s cement silos (EP5) and cement scales. These filters shall be in use at all times that the concrete batch plant is in operation, and shall be operated and maintained in accordance with the manufacturer’s specifications. Replacement bags shall be kept on hand at all times. [Special Condition No. 5]

**Monitoring/Recordkeeping:**

1) The permittee shall monitor and record the pressure drop across the filter at least once each operating day that the unit is operating. The operating pressure drop shall be maintained in accordance with the manufacturer’s specifications. Attachment I, or an equivalent form, may be used.

2) The permittee shall maintain an operating and maintenance log for each control device using Attachment D or an equivalent form generated by the permittee. The record may be maintained in hard copy or electronic form. The log(s) shall include the following:
   i) Incidents of malfunction, with impact on emissions, duration of the event, probable cause of the event, and corrective actions; and
   ii) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.

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

4) All records must be maintained for five years.

5) Records may be maintained electronically or in hard form.

**Reporting:**

Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.
PERMIT CONDITION 2
10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 0794-012, Issued July 1, 1994

Stationary Rock Crushing Plant

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
<th>Control Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 9</td>
<td>Shot Rock</td>
<td>CD-9 enclosure (underground)</td>
</tr>
<tr>
<td>EP 10</td>
<td>Haul From Mine To Feeder</td>
<td>CD-10 water spray</td>
</tr>
<tr>
<td>EP 11</td>
<td>Loading Into Feeder</td>
<td>none</td>
</tr>
<tr>
<td>EP 12</td>
<td>Jaw Crusher</td>
<td>CD-1 baghouse</td>
</tr>
<tr>
<td>EP 13</td>
<td>Secondary Crushing-Impact</td>
<td>CD-2 baghouse</td>
</tr>
<tr>
<td>EP 14</td>
<td>Haul To Stockpile</td>
<td>CD-14 water spray</td>
</tr>
<tr>
<td>EP 15</td>
<td>Screen</td>
<td>none</td>
</tr>
<tr>
<td>EP 16</td>
<td>Stockpile 1&quot; To 1 1/2&quot; Rock</td>
<td>CO-4 water spray</td>
</tr>
<tr>
<td>EP 17</td>
<td>Stockpile Chips</td>
<td>CO-5 water spray</td>
</tr>
<tr>
<td>EP 18</td>
<td>Stockpile Base</td>
<td>CO-6 water spray</td>
</tr>
<tr>
<td>EP 19</td>
<td>Stockpile Concrete</td>
<td>CO-7 water spray</td>
</tr>
<tr>
<td>EP 20</td>
<td>Screen</td>
<td>CO-8 water spray</td>
</tr>
<tr>
<td>EP 21</td>
<td>Pug Mill</td>
<td>none</td>
</tr>
</tbody>
</table>

Operational Limitation:
The permittee shall not process more than 300,000 tons of crushed rock through the Stationary Rock Crushing plant during any rolling 12-month period. [Special Condition No. 2]

Monitoring/Recordkeeping:
1) The permittee shall maintain a monthly production log for the Stationary Rock Crushing plant, including the total rolling 12-month annual production. The permittee may use Attachment F or equivalent [Special Condition No. 5].
2) The permittee shall make all records immediately available for inspection to the Department of Natural Resources’ personnel upon verbal request.
3) The permittee shall maintain all records for five years. The records may be maintained electronically or in hardcopy form.

Reporting:
Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.
**PERMIT CONDITION 3**

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 0794-012, Issued July 1, 1994

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
<th>Control Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 1</td>
<td>Stockpile Con Rock</td>
<td>CD-1A water spray</td>
</tr>
<tr>
<td>EP 2</td>
<td>Stockpile - Sand</td>
<td>CD-2B water spray</td>
</tr>
<tr>
<td>EP 3</td>
<td>Transfer To Aggregate Storage Bins</td>
<td>none</td>
</tr>
<tr>
<td>EP 4</td>
<td>Aggregate Batcher</td>
<td>none</td>
</tr>
<tr>
<td>EP 5</td>
<td>Cement Silo</td>
<td>CD-3 baghouse</td>
</tr>
<tr>
<td>EP 6</td>
<td>Cement Batcher</td>
<td>none</td>
</tr>
<tr>
<td>EP 7</td>
<td>Fly Ash Silo</td>
<td>CD-4 baghouse</td>
</tr>
<tr>
<td>EP 8</td>
<td>Mixer Truck</td>
<td>none</td>
</tr>
</tbody>
</table>

**Operational Limitation:**
The permittee shall not process more than 100,000 tons of concrete through the Concrete plant during any rolling 12-month period. [Special Condition No. 4]

**Monitoring/Recordkeeping:**
1) The permittee shall maintain a monthly production log for the Concrete plant, including the total rolling 12-month annual production. The permittee may use Attachment G or equivalent [Special Condition No. 5].
2) The permittee shall make all records immediately available for inspection to the Department of Natural Resources’ personnel upon verbal request.
3) The permittee shall maintain all records for five years. The records may be maintained electronically or in hardcopy form.

**Reporting:**
1) The permittee shall report to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after then end of the month during which the permittee determines that the installation exceeded the emission limitation listed above.
2) Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.
PERMIT CONDITION 4
10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 0794-012, Issued July 1, 1994

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
<th>Control Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 1</td>
<td>Stockpile Con Rock</td>
<td>CD-1A Water Spray</td>
</tr>
<tr>
<td>EP 2</td>
<td>Stockpile - Sand</td>
<td>CD-2B Water Spray</td>
</tr>
<tr>
<td>EP 5</td>
<td>Cement Silo</td>
<td>CD-3 Fabric Dust Filter</td>
</tr>
<tr>
<td>EP 7</td>
<td>Fly Ash Silo</td>
<td>CD-4 Fabric Dust Filter</td>
</tr>
<tr>
<td>EP 10</td>
<td>Haul From Mine To Feeder</td>
<td>CD-10 Water Spray</td>
</tr>
<tr>
<td>EP 14</td>
<td>Haul To Stockpile</td>
<td>CD-14 Water Spray</td>
</tr>
<tr>
<td>EP 16</td>
<td>Stockpile 1&quot; To 1 1/2&quot; Rock</td>
<td>CO-4 Water Spray</td>
</tr>
<tr>
<td>EP 17</td>
<td>Stockpile Chips</td>
<td>CO-5 Water Spray</td>
</tr>
<tr>
<td>EP 18</td>
<td>Stockpile Base</td>
<td>CO-6 Water Spray</td>
</tr>
<tr>
<td>EP 19</td>
<td>Stockpile Concrete</td>
<td>CO-7 Water Spray</td>
</tr>
</tbody>
</table>

**Operational Limitation:**
The permittee shall operate and maintain the following control measures at all times this facility is in operation [Special Condition 7]:

i) EP 10 & 14 - unpaved haul roads and pit area roads shall be watered whenever the vehicular traffic on the road is capable of producing visible emissions off of the haul road.

ii) EP 1, 2, 16, 17, 18, & 19 - storage piles shall be watered as dumped.

iii) EP 5 & 7 - cement and fly ash silos shall have filter systems in operation whenever the concrete batch plant is in operation. Replacement fabric dust filters shall be kept on hand at all times.

**Monitoring/Recordkeeping:**
1) The permittee shall monitor and record the pressure drop across each fabric filter at least once each operating day that the unit is operating. The operating pressure drop shall be maintained in accordance with the manufacturer’s specifications. Attachment I, or an equivalent form, may be used.

2) The permittee shall maintain an operating and maintenance log for each control device using Attachment D or an equivalent form generated by the permittee. The record shall be maintained in hard copy or electronic form. The log(s) shall include the following:
   i) Incidents of malfunction, with impact on emissions, duration of the event, probable cause of the event, and corrective actions; and
   ii) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.

3) The permittee shall visually inspect haul roads and stockpiles at least once each operating day to determine if watering is necessary under **Operational Limitation:** i) above using Attachment A or an equivalent form generated by the permittee.

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

5) All records must be maintained for five years.

6) Records may be maintained electronically or in hard form.

**Reporting:**
Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.
PERMIT CONDITION 5
10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 0397-007, Issued February 24, 1997

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
<th>Control Device</th>
</tr>
</thead>
</table>

**Operational Limitation:**
1) The permittee shall maintain a baghouse control system at the Universal Impact Master crusher (EP13) [Special Condition No. 1].
2) The baghouse shall be in use at all times that secondary impact crusher is in operation, and shall be operated and maintained in accordance with the manufacturer’s specifications.
3) Replacement baghouses shall be kept on hand at all times.

**Monitoring/Recordkeeping:**
1) The permittee shall monitor and record the pressure drop across the baghouse at least once each operating day that the unit is operating. The operating pressure drop shall be maintained in accordance with the manufacturer’s specifications. Attachment I, or an equivalent form, may be used.
2) The permittee shall maintain an operating and maintenance log for each control device using Attachment D or an equivalent form generated by the permittee. The record shall be maintained in hard copy or electronic form. The log(s) shall include the following:
   i) Incidents of malfunction, with impact on emissions, duration of the event, probable cause of the event, and corrective actions; and
   ii) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
3) The permittee shall make these records available immediately for inspection to the Department of Natural Resources’ personnel upon request.
4) The permittee shall maintain all records for five years. Records may be maintained electronically or in hard form.

**Reporting:**
Reports of any deviations from monitoring, other than the recordkeeping and reporting requirements of this permit condition, shall be submitted in the annual compliance certification, as required by Section V of this permit.
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 are only excerpts from the regulation or code, and are 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.

**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) 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 to the director in writing at least ten days prior to any maintenance, start-up or shutdown activity 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, notice shall be given as soon as practicable prior to the activity.

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. The permittee shall retain the most current operating permit issued to this installation on-site. The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request.


The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.

### 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 Reporting of Emission Data, Emission Fees and Process Information

1) The permittee shall submit a 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) 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.

3) The permittee shall submit a full EIQ for the 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.

4) 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.
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 10-6.165 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 10-6.170 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 identically 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 equipment malfunctions contributed to an exceedance.
3) 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 10-6.250 Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees.

### 10 CSR 10-6.280 Compliance Monitoring Usage

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:
   a) Monitoring methods outlined in 40 CFR Part 64;
   b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and
   c) Any other monitoring methods approved by the director.

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 at an installation:
   a) Monitoring methods outlined in 40 CFR Part 64;
   b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and
   c) Compliance test methods specified in the rule cited as the authority for the emission limitations.

3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
   a) Applicable monitoring or testing methods, cited in:
      i) 10 CSR 10-6.030, “Sampling Methods for Air Pollution Sources”;
      ii) 10 CSR 10-6.040, “Reference Methods”;
      iii) 10 CSR 10-6.070, “New Source Performance Standards”;
      iv) 10 CSR 10-6.080, “Emission Standards for Hazardous Air Pollutants”; or
   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.

40 CFR Part 82 Protection of Stratospheric Ozone (Title VI)

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 40 CFR §82.106.
   b) The placement of the required warning statement must comply with the requirements of 40 CFR §82.108.
   c) The form of the label bearing the required warning statement must comply with the requirements of 40 CFR §82.110.
   d) No person may modify, remove, or interfere with the required warning statement except as described in 40 CFR §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 of 40 CFR Part 82:
   a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices described in 40 CFR §82.156.
   b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment described in 40 CFR §82.158.
   c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR §82.161.
   d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with the record keeping requirements of 40 CFR §82.166. ("MVAC-like" appliance as defined at 40 CFR §82.152).
   e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR §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 40 CFR §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 contained 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.*
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.

**10 CSR 10-6.065, §(5)(E)2 and §(6)(C)1.B Permit Duration**

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.

**10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Record Keeping and Reporting Requirements**

1) Record Keeping
   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, Compliance and 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, record keeping, reporting, or any other requirements of the permit.
   d) Submit supplemental reports as required or as needed. 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.

**10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)**

If the installation is required to develop and register a risk management plan pursuant to Section 112(R) of the Act, the permittee will verify that it has complied with the requirement to register the plan.

**10 CSR 10-6.065(5)(C)1.A General Requirements**

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.

**10 CSR 10-6.065(5)(C)1.C Reasonably Anticipated Operating Scenarios**

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 semiannually (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, Compliance and 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.

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**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 record keeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.

b) The permittee must provide contemporaneous written notice of the change to the Air Pollution Control Program, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219. 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)34 Responsible Official

The application utilized in the preparation of this permit was signed by Troy Montavy, Quality Control. 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.

### 10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause

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 

(5) 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) MDNR 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
### Fugitive Emission Observations

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<th>Date</th>
<th>Time</th>
<th>Visible Emissions</th>
<th>Abnormal Emissions</th>
<th>Initial</th>
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<td>Beyond Boundary</td>
<td>Cause</td>
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</tbody>
</table>
Attachment B
Opacity Emission Observations

<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.
## Method 9 Opacity Emissions Observations

<table>
<thead>
<tr>
<th>Company</th>
<th>Observer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Observer Certification Date</td>
</tr>
<tr>
<td>Date</td>
<td>Emission Unit</td>
</tr>
<tr>
<td>Time</td>
<td>Control Device</td>
</tr>
</tbody>
</table>

### 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?  

YES  NO  Signature of Observer
**Attachment D**  
Inspection/Maintenance/Repair/Malfunction Log

Emission Unit # or CVM # ________________________________

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


### ATTACHMENT E
Table 2 to Subpart OOO—Stack Emission Limits for Affected Facilities With Capture Systems

<table>
<thead>
<tr>
<th>For...</th>
<th>The owner or operator must meet a PM limit of...</th>
<th>And the owner or operator must meet an opacity limit of...</th>
<th>The owner or operator must demonstrate compliance with these limits by conducting...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008</td>
<td>0.05 g/dscm (0.022 gr/dscf)(^a)</td>
<td>7 percent for dry control devices</td>
<td>An initial performance test according to §60.8 of this part and §60.675 of this subpart</td>
</tr>
</tbody>
</table>

\(^a\)Exceptions to the PM limit apply for individual enclosed storage bins and other equipment. See §60.672(d) through (f).

### Table 3 to Subpart OOO—Fugitive Emission Limits

<table>
<thead>
<tr>
<th>For...</th>
<th>Fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility...</th>
<th>Fugitive emissions limit for crushers at which a capture system is not used...</th>
<th>The owner or operator must demonstrate compliance with these limits by conducting...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008</td>
<td>10 percent opacity</td>
<td>15 percent opacity</td>
<td>An initial performance test according to §60.11 of this part and §60.675 of this subpart.</td>
</tr>
</tbody>
</table>

(Note: all emission units were constructed/reconstructed between August 31, 1983 and April 22, 2008).
## ATTACHMENT F
Stationary Rock Crushing Plant Monthly Production Log

*(Copy this sheet as needed.)*

<table>
<thead>
<tr>
<th>Month</th>
<th>Monthly Crushed Rock Production (tons)</th>
<th>12-Month Crushed Rock Production (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

1 The 12-month production is calculated by summing the production from the current month with the production from the previous 11 months. A 12-month production of less than 300,000 tons indicates compliance.
ATTACHMENT G
Concrete Batch Plant Monthly Production Log

(Copy this sheet as needed.)

<table>
<thead>
<tr>
<th>Month</th>
<th>Monthly Concrete Production (tons)</th>
<th>12-Month Concrete Production (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

The 12-month production is calculated by summing the production from the current month with the production from the previous 11 months. A 12-month production of less than 100,000 tons indicates compliance.
Attachment H
PM$_{10}$ Compliance Worksheet

This worksheet covers the month of __________________________ (month/year)

<table>
<thead>
<tr>
<th>Emission Point</th>
<th>Description</th>
<th>1 Monthly Usage</th>
<th>Units</th>
<th>Emission Factor (lbsPM$_{10}$ / unit)</th>
<th>Control Eff</th>
<th>2 Total Monthly Emissions (tons/month)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP 1</td>
<td>Stockpile Con Rock</td>
<td></td>
<td>tons</td>
<td>0.071</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 2</td>
<td>Stockpile - Sand</td>
<td></td>
<td>tons</td>
<td>0.071</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 3</td>
<td>Transfer To Agr. Storage Bins</td>
<td></td>
<td>tons</td>
<td>0.03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP 4</td>
<td>Aggr. Batcher</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP 5</td>
<td>Cement Silo</td>
<td></td>
<td>tons</td>
<td>0.14</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td>EP 6</td>
<td>Cement Batcher</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP 7</td>
<td>Fly Ash Silo</td>
<td></td>
<td>tons</td>
<td>0.14</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td>EP 8</td>
<td>Mixer Truck</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP 9</td>
<td>Shot Rock</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td>90%</td>
<td></td>
</tr>
<tr>
<td>EP 10</td>
<td>Haul From Mine To Feeder</td>
<td></td>
<td>miles</td>
<td>2.5544</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 11</td>
<td>Loading Into Feeder</td>
<td></td>
<td>tons</td>
<td>0.0024</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP 12</td>
<td>Jaw Crusher</td>
<td></td>
<td>tons</td>
<td>0.0024</td>
<td>70%</td>
<td></td>
</tr>
<tr>
<td>EP 13</td>
<td>Secondary Crushing-Impact</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td>70%</td>
<td></td>
</tr>
<tr>
<td>EP 14</td>
<td>Haul To Stockpile</td>
<td></td>
<td>miles</td>
<td>1.6957</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 15</td>
<td>Screen</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EP 16</td>
<td>Stockpile 1&quot; To 1 1/2&quot; Rock</td>
<td></td>
<td>tons</td>
<td>0.071</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 17</td>
<td>Stockpile Chips</td>
<td></td>
<td>tons</td>
<td>0.071</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 18</td>
<td>Stockpile Base</td>
<td></td>
<td>tons</td>
<td>0.071</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 19</td>
<td>Stockpile Concrete</td>
<td></td>
<td>tons</td>
<td>0.071</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>EP 20</td>
<td>Screen</td>
<td></td>
<td>tons</td>
<td>0.01</td>
<td>71%</td>
<td></td>
</tr>
<tr>
<td>EP 21</td>
<td>Pug Mill</td>
<td></td>
<td>tons</td>
<td>0.000046</td>
<td></td>
<td></td>
</tr>
<tr>
<td>multiple</td>
<td>Wind Erosion - stockpiles</td>
<td>3.4</td>
<td>acres</td>
<td>781.1</td>
<td>0.11</td>
<td></td>
</tr>
</tbody>
</table>

3Total Monthly Installation Wide PM$_{10}$ Emissions (tons)
4Total 12-Month Rolling Installation Wide PM$_{10}$ Emissions (tons)

1Enter total amount of material (indicated in the next column) used in month.
2Total monthly emissions = Monthly Usage x Emission Factor x Cont. Eff.x 0.0005.
Emission factors from AP-42 and/or WebFIRE
3Total installation emissions are the sum of the total monthly emissions for each emission point.
412-Month Rolling PM$_{10}$ Emissions = Sum of twelve most recent Combined PM$_{10}$ Compliance Worksheets.
12-Month Rolling Total PM$_{10}$ Emissions less than 100 tons/yr indicates compliance
## ATTACHMENT I
Pressure Drop Log

<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>
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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.

INSTALLATION DESCRIPTION

Table Rock Asphalt Co., Inc. operates two plants: a concrete plant and a rock crushing plant. The concrete plant is a truck mix plant and has an MHDR of 300 tph. The rock crushing plant has an MHDR of 300 tph. Blasting and loading are done underground. The facility is a synthetic minor source of Particulate Matter less than or equal to 10 microns in diameter (PM₁₀). The installation is located in Stone County, which is an attainment area for all criteria pollutants. It is not a named installation and fugitive emissions do not count towards potential-to-emit calculation.

Updated Potential to Emit for the Installation

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Potential to Emit (tons/yr)¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM₁₀</td>
<td>482.27</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>81.02</td>
</tr>
</tbody>
</table>

¹Each emission unit was evaluated at 8,760 hours of uncontrolled annual operation unless otherwise noted.

Reported Air Pollutant Emissions, tons per year

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>PM₁₀</td>
<td>13.45</td>
<td>13.45</td>
<td>5.99</td>
<td>5.99</td>
<td>5.99</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>2.45</td>
<td>2.45</td>
<td>1.03</td>
<td>1.03</td>
<td>1.03</td>
</tr>
</tbody>
</table>

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 25, 2015;
2) 2015 Emissions Inventory Questionnaire, received April 4, 2016;
3) Construction Permit No. 0393-002, Issued March 2, 1993
4) Construction Permit No. 0794-012, Issued July 1, 1994
5) Construction Permit No. 0397-007, Issued February 24, 1997
6) WebFIRE, and
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.

10 CSR 10-6.100, Alternate Emission Limits
This rule is not applicable because the installation is in an ozone attainment area.

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants is not applicable because the concrete and crushing plants are subject to 10 CSR 10-6.070 New Source Performance Regulations and the provisions of 40 CFR Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. [10 CSR 10-6.220 1(H)]

10 CSR 10-6.400, Restriction of Emission of Particulate Matter From Industrial Processes – the installation is exempt under (1)(A)(2).

Construction Permit History

Construction Permit No. 0393-002, issued March 2, 1993:

- Special Conditions No. 1, 6, and 9: These conditions are not included within the permit because it is effectively superceded by Construction Permit No. 0794-012’s Special Condition No. 2 limitation of 300,000 tons/yr.
- Special Conditions No. 2, 7, and 9: These conditions are not included within the permit because it is effectively superceded by Construction Permit No. 0794-012’s Special Condition No. 4 limitation of 100,000 tons/yr.
- Special Condition No. 3: This condition is equivalent to Construction Permit No. 0794-012’s Special Condition No. 7; therefore, only the newer condition was incorporated into the permit.
- Special Condition No. 4: 10 CSR 10-6.170 is now titled, “Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin.” When referencing “Restriction of Emission of Visible Air Contaminants” the construction permit was making sure the installation was in compliance with their opacity limits; however, the installation is now only subject to opacity limits under 40 CFR Part 60, Subpart OOO.
- Special Condition No. 8: The permittee is no longer subject to “Restriction of Emissions of Visible Air Contaminants”, the installation instead is subject to opacity limitations under 40 CFR Part 60, Subpart OOO which has been applied within this operating permit.

Construction Permits No. 0893-008, issued July 29, 1993, and 0893-008A, issued September 8, 1993:

- The installation no longer operates a portable rock crushing plant; therefore, none of the special conditions from these construction permits were incorporated into the operating permit.
Construction Permit No. 0794-012, issued July 1, 1994:
- Special Conditions No. 2 and 4 production limits are intended to limit $PM_{10}$ emissions to below major source level.
- Special Conditions No. 3 and 8 have not been included in the operating permit because the installation no longer operates a portable rock crushing plant.
- Special Condition No. 7: The requirement to operate spray bars on the primary and secondary crushers was not included in the operating permit. The primary and secondary crushers have since been replaced; therefore, the condition is no longer applicable.

Construction Permit No. 0397-007, issued February 24, 1997:
- Special Condition No. 1: The installation does not operate a Cemco crusher; therefore, the requirement for water spray on the Cemco crusher was not included in the operating permit.
- Special Conditions No. 2 and 3 were not incorporated into the operating permit as they require that the Universal Impact Master crusher (EP13) be in compliance with 40 CFR Part 60, Subpart OOO. 40 CFR Part 60, Subpart OOO provisions for EP13 are already listed elsewhere within the operating permit.

**New Source Performance Standards (NSPS) Applicability**

40 CFR Part 60, Subpart OOO – *Standards of Performance for Nonmetallic Mineral Processing Plants* is applicable to this installation and has been applied within this operating permit. This regulation is applicable to all of the emission units associated with the concrete plant and the rock crushing plant as the facility has been constructed/reconstructed since August 31, 1983, and the majority of the processes at the installation involve limestone and sand. The Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this Subpart. [§60.676(h)]

**Maximum Achievable Control Technology (MACT) Applicability**

None.

**National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability**

None

**Other Regulatory Determinations**

None

**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 APCP a schedule for achieving compliance for that regulation(s).
Response to Public Comments

A draft of the Intermediate Operating Permit for Table Rock Asphalt Construction was placed on public notice on January 27, 2017, by the Missouri Department of Natural Resources (MDNR). Comments were received from Mr. Robert Cheever of Region VII of the Environmental Protection Agency. The three comments are addressed in the order in which they appear within the letter.

Comment #: 1
First, Permit Condition PW3 incorporates applicable requirements of 40 CFR Part 60, Subpart 000- Standards of Performance for Nonmetallic Mineral Processing Plants. Record keeping requirement 3) is written as a statement of fact and may be more appropriately included in the Statement of Basis of this operating permit. However, if record keeping requirement 3) is intended to require the permittee to undertake some compliance verification activity, then EPA recommends MDNR reword the requirement so it is enforceable from a practical matter. Also, record keeping requirement 1) refers to the "Administrator" and EPA suggests that MDNR consider the term "Director," which may be more appropriate.

Response to Comment:
The suggested changes were made to PW3 and the Statement of Basis.

Comment #: 2
Second, Permit Condition 1, Permit Condition 4 and Permit Condition 5 all require the permittee to monitor and record the pressure drop across particulate matter emission control devices. However, MDNR has not included an example(s) of the data collection worksheet used by the permittee to verify compliance. It is MDNR's customary practice to attach example(s) of data collection worksheets to operating permits for public review and comment. Therefore, EPA recommends MDNR include the pressure drop record keeping worksheets as attachments to this operating permit.

Response to Comment:
An attachment containing a pressure drop reporting table was added.

Comment #: 3
Finally, operational limitation 1), in Permit Condition 5, requires the permittee to install a baghouse control system at the Universal Impact Master Crusher (EP-13). This requirement comes from a special condition in Permit to Construct #0397-007, issued February 24, 1997. It appears, to EPA, that this baghouse was likely installed 20 years ago and therefore an operational limitation to "install a baghouse" is likely no longer applicable. EPA recommends MDNR reconsider whether or not operational limitation 1) belongs in Permit Condition 5, in the operating permit.

Response to Comment:
Since the baghouse is required to be operated when the crusher is in use, “install” was changed to “maintain”.

Mr. Troy Montavy  
Table Rock Asphalt Construction  
P.O. Box 1165  
Branson, MO 65616

Re: Intermediate Operating Permit Renewal  
Installation ID: 209-0007, Permit Number: OP2017-025

Dear Mr. Montavy:

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.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at http://dnr.mo.gov/regions/. The online CAV request can be found at http://dnr.mo.gov/cav/compliance.htm.

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 contact the Air Pollution Control Program (APCP) at (573) 751-4817, or you may write to the Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.  
Operating Permit Unit Chief  
MJS/bjj

Enclosures  
c: PAMS File: 2015-06-071