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: OP2017-074
Expiration Date: NOV 13 2022
Installation ID: 095-0037 & 095-0064
Project Number: 2012-05-026

Installation Name and Address
Vance Brothers
5201 Brighton & 4915 Chelsea Avenue
Kansas City, MO 64130
Jackson County

Parent Company's Name and Address
Vance Brothers
P.O. Box 300107
Kansas City, MO 64130

Installation Description:

Vance Brothers, Inc. operates asphalt plants at two locations in Jackson County: 5201 Brighton & 4915 Chelsea Ave. The two plants have separate IDs, but share products and are considered one source for operating permits. Products include cationic and anionic asphalt emulsions, asphalt-based sealers, coal tar-based sealers, acrylic coatings, and a polymer modified asphalt. There are a large number of tanks of various sizes at both locations. Vance Brothers is a synthetic minor source for carbon monoxide (CO), oxides of nitrogen (NOx), and volatile organic compounds (VOCs).

Prepared by:
Bern Johnson
Operating Permit Unit

Director or Designee
Department of Natural Resources

NOV 13 2017
Effective Date
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I. Installation Equipment Listing

EMISSION UNITS
The following list provides a description of the equipment at this installation which emits air pollutants. Due to the number and complexity of storage tanks, many of which are subject to state or federal rules, the emission unit list is not divided into tables with or without limitations. A complete list of tanks is available upon request.

<table>
<thead>
<tr>
<th>Emission Point #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEP01</td>
<td>Aggregate Storage Piles – 1.12 acres</td>
</tr>
<tr>
<td>BEP02</td>
<td>Cold Aggregate Handling – 166.25 tons/hr</td>
</tr>
<tr>
<td>BEP03</td>
<td>Rotary Dryer (Batch Plant) – 48.5 tons/hr</td>
</tr>
<tr>
<td>BEP03</td>
<td>Rotary Dryer (Batch Plant) H&amp;B White Dryer installed 1966 – 75 MMBTU/hr</td>
</tr>
<tr>
<td>BEP03A</td>
<td>BAGHOUSE FINES SILO 1966 – 4.70 tons/hr</td>
</tr>
<tr>
<td>BEP04</td>
<td>Dryer (Drum Plant) 1980 – 166.25 tons/hr</td>
</tr>
<tr>
<td>BEP04</td>
<td>Dryer (Drum Plant) – 100 MMBTU/hr</td>
</tr>
<tr>
<td>BEP04A</td>
<td>Hot Asphalt Silos (3) 2005 – 166.25 tons/hr</td>
</tr>
<tr>
<td>BEP04B</td>
<td>Hot Asphalt Loadout (Batch Plant &amp; Drum Plant) – 166.25 tons/hr</td>
</tr>
<tr>
<td>BEP05</td>
<td>Hot Oil Heater (including other heaters/boiler) 2004 - Burks 240 2005 - Heatec 201 2011 - Heatec 202 – 14 MMBTU/hr total</td>
</tr>
<tr>
<td>BEP06</td>
<td>Haul Road-Hot Mix Plant</td>
</tr>
<tr>
<td>BEP07</td>
<td>Asphalt Storage Tanks</td>
</tr>
<tr>
<td>BEP09</td>
<td>Fuel Oil Storage</td>
</tr>
<tr>
<td>BEP12</td>
<td>Haul Road-Emulsion Plant</td>
</tr>
<tr>
<td>BEP13</td>
<td>Boiler – diesel</td>
</tr>
<tr>
<td>BEP14</td>
<td>RAP Crushing (Portable Crusher) 2005 – 166.25 tons/hr</td>
</tr>
<tr>
<td>BEP15</td>
<td>RAP Transfer (4 Conveyors) 2005 – 166.25 tons/hr</td>
</tr>
<tr>
<td>BEP17</td>
<td>Cutback Asphalt Loading 2004</td>
</tr>
<tr>
<td>BEP18</td>
<td>Cutback Asphalt. (&amp; Blended Materials) Storage</td>
</tr>
<tr>
<td>BEP20</td>
<td>Storage tanks- propylene glycol and emulsion tanks</td>
</tr>
<tr>
<td>BEP22</td>
<td>Loading - Used Oil &amp; Misc. Liquids 2004</td>
</tr>
<tr>
<td>Emission Point #</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>BEP23</td>
<td>Naphtha/M.S./D100 Storage Tanks 2004</td>
</tr>
<tr>
<td>BEP24</td>
<td>Parts Washer - 2004</td>
</tr>
<tr>
<td>BEP25</td>
<td>Crusher Generator 2001 – diesel</td>
</tr>
<tr>
<td>CEP-02</td>
<td>Steam Boiler – 8.38 MMBTU/hr</td>
</tr>
<tr>
<td>CEP-03</td>
<td>Hot Oil Heater – 10 MMBTU/hr</td>
</tr>
<tr>
<td>CEP-04</td>
<td>Haul Road</td>
</tr>
<tr>
<td>CEP-05</td>
<td>Emulsion Storage Tanks</td>
</tr>
<tr>
<td>CEP-06</td>
<td>Emulsion Loading</td>
</tr>
<tr>
<td>CEP-09</td>
<td>Asphalt Cement Storage Tanks</td>
</tr>
<tr>
<td>CEP-10</td>
<td>Asphalt Cement Loading</td>
</tr>
<tr>
<td>CEP-11</td>
<td>Cutback Asphalt/Blended Materials Storage Tanks</td>
</tr>
<tr>
<td>CEP-12</td>
<td>Cutback Asphalt Loading</td>
</tr>
<tr>
<td>CEP-13</td>
<td>MINERAL SPIRITS STORAGE TANK</td>
</tr>
<tr>
<td>CEP-14</td>
<td>#1 Fuel Oil &amp; Naphtha Storage Tanks</td>
</tr>
<tr>
<td>CEP-15</td>
<td>#2 Fuel Oil Storage Tanks</td>
</tr>
<tr>
<td>CEP-17</td>
<td>Equipment Fugitive</td>
</tr>
<tr>
<td>CEP-18</td>
<td>Emergency Generator - diesel</td>
</tr>
</tbody>
</table>
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, which include all emission points at both the Brighton and Chelsea locations.

<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>Kansas City Dept Health Construction Permit #1085 Issued 2004</td>
</tr>
<tr>
<td>Kansas City Dept Health Construction Permit #1134 Issued 2006</td>
</tr>
<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 Limitations:**

1) The permittee shall emit less than 100.0 tons of carbon monoxide (CO) in any rolling 12-month period from the entire installation.

2) The permittee shall emit less than 100.0 tons of nitrogen oxides (NOx) in any rolling 12-month period from the entire installation.

3) The permittee shall emit less than 100.0 tons of volatile organic compounds (VOCs) in any rolling 12-month period from the entire installation.

**Operational Limitations:**

1) The permittee shall submit to the Air Pollution Control Program a written notification of any proposed tank installation or modifications at least fifteen calendar days prior to any new tank addition or modifications. The notification shall include a revised copy of the Tanks Master List on file. [1085 – Special Condition 3.(b)]

2) The permittee shall perform best management practices to control fugitive dust (see Attachment F). [1134 – Special Condition A.5.]

3) The permittee shall operate baghouses according to the manufacturer’s specifications. The permittee shall keep records of maintenance and inspections, using Attachment D or equivalent form. [1134 – Special Condition A.7.]

**Monitoring/Recordkeeping:**

1) The permittee shall maintain an accurate record of VOC emissions. The permittee uses custom spreadsheets for emissions tracking (see Attachment E).
   a) A composite emission factor for VOCs shall be calculated and summed for both plants each year.

2) The permittee shall maintain an accurate record of CO and NOx emissions. The permittee uses throughput data from the spreadsheet mentioned in 1) and emission factors from AP-42.1.4 and WebFIRE to track CO and NOx emissions.

3) The permittee shall maintain a current and complete list of all tanks at both the Brighton and Chelsea plants. The permittee has created two spreadsheets, “Vance Brothers_Brighton Facility.xlsx” and “Vance Brothers_Chelsea Facility.xlsx”, for tracking tanks.
4) All records shall be kept for no less than five years and be made 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.

---

**PERMIT CONDITION PW 2**

10 CSR 10-6.060 Construction Permits Required
Kansas City Dept Health Construction Permit #1134 Issued 2006
10 CSR 10-6.020(2)(I)23. and 10 CSR 10-6.065(5)(C)2. Voluntary Limitation(s)

**Emission Limitations:**
The permittee shall limit the daily ambient impact of PM$_{10}$ to less than 150 μg/m$^3$.

**Monitoring/Recordkeeping:**
1) The permittee shall maintain an accurate record of PM$_{10}$ emissions. The permittee uses custom spreadsheets for emissions tracking (see Attachment E).

2) All records shall be kept for no less than five years and be made 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.

---

**PERMIT CONDITION PW 3**

10 CSR 10-6.070 New Source Performance Regulations
40 CFR Part 60 Subpart I - Standards of Performance for Hot Mix Asphalt Facilities

**Emission Limitations:**
The permittee shall not discharge into the atmosphere any gas which contains greater than 90 mg/dscm (0.04 gr/dscf) of particulate matter. [§60.92 (a)]
Monitoring/Recordkeeping:
1) The permittee shall maintain a record of the most recent stack test. (See Statement of Basis)
2) If a new stack test is requested by the Director, the permittee shall use EPA Method 5 to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). \[\S 60.93\ (b)\]

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.

PERMIT CONDITION PW 4
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;
   e) Application of asphalt emulsion products designed for dust control (see Statement of Basis); and
   f) Planting and maintenance of vegetative ground cover.

Monitoring:
1) 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.
2) The permittee shall 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 no violation of this regulation be observed 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 permittee reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

4) The renewal of an operating permit does not require the installation to revert to weekly monitoring; instead, it should continue with the monitoring regime it is under at the time of issuance of the renewal permit.

Recordkeeping:
The permittee shall document all readings on Attachment B, 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.

PERMIT CONDITION PW 5
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:
1) The permittee shall not cause or permit to be discharged into the atmosphere from these emission units any visible emissions with an opacity greater than 20 percent.
2) Exception: The permittee may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to 60 percent.

Monitoring:
1) The permittee shall conduct visible emissions observations on each emission unit using the procedures contained in USEPA 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) The renewal of an operating permit does not require the installation to revert to weekly monitoring; instead, it should continue with the monitoring regime it is under at the time of issuance of the renewal permit.

**Recordkeeping:**
The permittee shall maintain records of all observation results using Attachments A, B, C, or D (or equivalents), 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.

**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.
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>Tank #</th>
<th>Description</th>
<th>Capacity (gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>MC-800 #1</td>
<td>42,036</td>
</tr>
<tr>
<td>27</td>
<td>CSS-1HM</td>
<td>69,519</td>
</tr>
<tr>
<td>28</td>
<td>CRS-1H/CRS-2</td>
<td>69,519</td>
</tr>
<tr>
<td>40</td>
<td>CRS-1HP/CRS-2P</td>
<td>55,083</td>
</tr>
<tr>
<td>41</td>
<td>CRS-1HP/CRS-2P</td>
<td>55,083</td>
</tr>
<tr>
<td>114</td>
<td>FHR 64-22</td>
<td>343,132</td>
</tr>
<tr>
<td>115</td>
<td>FHR 64-22</td>
<td>216,840</td>
</tr>
<tr>
<td>301</td>
<td>RT-12 (Cave Yard/RT-12/Spur)</td>
<td>169,216</td>
</tr>
<tr>
<td>305</td>
<td>AC-10</td>
<td>108,063</td>
</tr>
<tr>
<td>307</td>
<td>100-300 + Pen AC</td>
<td>148,100</td>
</tr>
<tr>
<td>308</td>
<td>100-300 + Pen AC</td>
<td>148,100</td>
</tr>
<tr>
<td>311</td>
<td>Cutback Base AC</td>
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<td>312</td>
<td>AC-10 Brighton</td>
<td>144,973</td>
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<td>313</td>
<td>FHR 64-22</td>
<td>940,086</td>
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<tr>
<td>314</td>
<td>FHR 64-22</td>
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<td>315</td>
<td>100-300 + Pen AC</td>
<td>940,086</td>
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<tr>
<td>316</td>
<td>100-300 + Pen AC</td>
<td>528,799</td>
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<tr>
<td>317</td>
<td>AC</td>
<td>558,482</td>
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<tr>
<td>R-5</td>
<td>Emulsion Base</td>
<td>46,270</td>
</tr>
<tr>
<td>R-6</td>
<td>VTB (31 PEN)</td>
<td>46,270</td>
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<tr>
<td>R-7</td>
<td>VTB (31 PEN)</td>
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<td>R-13</td>
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<td>VTB (31 PEN)</td>
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<td>FLUX</td>
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<td>R-19</td>
<td>VTB</td>
<td>470,043</td>
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<tr>
<td>R-21</td>
<td>Emulsion Base</td>
<td>70,506</td>
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<tr>
<td>R-22</td>
<td>Recycled AC</td>
<td>146,889</td>
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<tr>
<td>R-23</td>
<td>FHR 64-22</td>
<td>70,506</td>
</tr>
<tr>
<td>R-24</td>
<td>PG 52-34</td>
<td>146,889</td>
</tr>
</tbody>
</table>
Operational Limitation:

The permittee shall equip each tank with a design capacity greater than or equal to 151 m³ containing a volatile organic liquid (VOL) that, as stored, has a maximum true vapor pressure equal to or greater than 5.2 kPa but less than 76.60 kPa or with a design capacity greater than or equal to 75 m³ but less than 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure equal to or greater than 27.6 kPa but less than 76.6 kPa, with one of the following: [§ 60.112b ]

1) A fixed roof in combination with an internal floating roof meeting the following specifications:
   a) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
   b) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
      (1) A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
      (2) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
      (3) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
   c) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
   d) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
   e) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
   f) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer’s recommended setting.
   g) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
h) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

i) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

**Monitoring:**

The permittee shall meet the following requirements: [§60.113b]

1) After installing the permanently affixed roof and internal floating roof, the permittee shall:
   a) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.

b) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Director in the inspection report required in **Recordkeeping:** (2)(a)(ii). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

c) For vessels equipped with a double-seal system:
   (1) Visually inspect the vessel at least every 5 years; or
   (2) Visually inspect the vessel as specified in ii) above.

d) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection and at intervals no greater than 5 years in the case of vessels specified in paragraph iii) above.

e) Notify the Director in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required to afford the Director the opportunity to have an observer present. If the inspection required by iv) above is not planned and the permittee could not have known about the inspection 30 days in advance or refilling the tank, the permittee shall notify the Director at least 7 days prior to the refilling of the storage vessel.
**Recordkeeping:**

1) The permittee maintains a current and complete list of all tanks at both the Brighton and Chelsea plants (required in Permit Condition PW 1). This list is the basis for determining Subpart Kb applicability.

2) The permittee shall keep records and furnish reports as required by paragraphs (a). The permittee shall keep copies of all reports and records for at least 2 years. [§ 60.115b]

   a) After installing a fixed roof and internal floating roof, the permittee shall meet the following requirements:

      (1) Furnish the Director with a report that describes the control equipment and certifies that the control equipment meets the specifications of **Operational Limitation:** (a). The report may be an attachment to the annual compliance certification.

      (2) Keep a record of each inspection performed. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

      (3) If any of the conditions described in **Monitoring:** (a)(ii) are detected during the annual visual inspection, a report shall be furnished to the Director within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of the defects and date the repair was made.

      (4) After each inspection that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects, a report shall be furnished to the Director within 30 days of the inspection. The report shall identify the storage vessel, the reason it did not meet the specifications and list each repair made.

**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.

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**PERMIT CONDITION 2**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations


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**Operational Standards for BEP25:**

1) The permittee shall, except during start-up [Table 2d of Subpart ZZZZ]:

   a) Change oil and filter every 1,000 hours of operation or annually, whichever comes first;

   b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

   c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

2) The permittee shall, during start-up, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine,
not to exceed 30 minutes, after which time the non-startup emission limitations apply [Table 2d of Subpart ZZZZ].

**Operational Standards for CEP-18:**

1) The permittee shall operate the emergency stationary RICE according to the requirements in a) through c) below. In order for the engine to be considered an emergency stationary RICE under 40 CFR 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year is prohibited. [§63.6640(f)]

a) There is no time limit on the use of emergency stationary RICE in emergency situations. [§63.6640(f)(1)]

b) The permittee may operate the emergency stationary RICE for the purpose specified in i) below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by c) below count as part of the 100 hours per calendar year allowed. [§63.6640(f)(2)]

   (1) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [§63.6640(f)(2)(i)]

c) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph §63.6640(f)(2). Except as provided in i) below, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [§63.6640(f)(4)]

   (1) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met: [§63.6640(f)(4)(ii)(A) through (E)]

   a) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

   b) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

   c) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

   d) The power is provided only to the facility itself or to support the local transmission and distribution system.

   e) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing.
authority or local transmission and distribution system operator may keep these records on behalf of the engine permittee.

2) If the permittee does not operate the engine according to the requirements in 1)a) through c) above, the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and must meet all requirements for non-emergency engines. [§63.6640(f)]

3) The permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

**Monitoring/Recordkeeping:**

1) The permittee shall maintain an operating and maintenance log using Attachment D or an equivalent.

2) These records shall be made available immediately for inspection to the Department of Natural Resources’ personnel upon request. All records must be maintained for five years.

**Reporting:**

The permittee shall report any deviations from the operational limitation, monitoring, recordkeeping, and reporting requirements of this permit condition to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219 with a copy to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102.
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 10-6.110 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 is a State Only permit requirement.*

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 10-6.180 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)(C)1, §(6)(C)1.B, §(5)(E)2.C 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. If a timely and complete application for a permit renewal is submitted, but the Air Pollution Control Program fails to take final action to issue or deny the renewal permit before the end of the term of this permit, this permit shall not expire until the renewal permit is issued or denied.

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.

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.

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 Bryan Midgett, Vice President of Manufacturing. 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 (MoDNR) 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) MoDNR 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
Visible 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>Yes</td>
</tr>
</tbody>
</table>

1If there are visible emissions, the permittee shall complete the excess emissions columns.
## Attachment B
Fugitive Emission Observations

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Visible Emissions</th>
<th>Beyond Boundary</th>
<th>Abnormal Emissions</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>No</td>
<td>Yes</td>
<td>Cause</td>
<td>Corrective Action</td>
</tr>
<tr>
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## Method 9 Opacity Emissions Observations

<table>
<thead>
<tr>
<th>Company</th>
<th>Observer</th>
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<tbody>
<tr>
<td>Location</td>
<td>Observer Certification Date</td>
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</table>

<table>
<thead>
<tr>
<th>Date</th>
<th>Emission Unit</th>
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</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Control Device</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hour</th>
<th>Minute</th>
<th>Seconds</th>
<th>Steam Plume (check if applicable)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
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<td>30</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?  

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>
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</tbody>
</table>
Attachment E
Custom Tracking Worksheets

Plantwide PW 1 emission limit:
- Include emissions for all emission points listed in Section I. Installation Equipment Listing (both with and without limitations). Emissions may be grouped by type; for example, all natural gas combustion sources may be grouped and tracked together by fuel usage. Include installation insignificant sources.
- Record monthly throughput of all sources except combustion.
  - composite emission factors for VOCs are calculated annually.
  - emissions factors for NOx and CO from WebFIRE/AP-42.

<table>
<thead>
<tr>
<th>Emission Point</th>
<th>SCC</th>
<th>Pollutant</th>
<th>Emission Factor</th>
<th>Units</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEP03</td>
<td>30500245</td>
<td>CO</td>
<td>0.40</td>
<td>lbs/ton</td>
<td>WebFIRE</td>
</tr>
<tr>
<td></td>
<td>30500245</td>
<td>NOx</td>
<td>0.03</td>
<td>lbs/ton</td>
<td>WebFIRE</td>
</tr>
<tr>
<td>BEP04</td>
<td>30500255</td>
<td>CO</td>
<td>0.13</td>
<td>lbs/ton</td>
<td>WebFIRE</td>
</tr>
<tr>
<td></td>
<td>30500255</td>
<td>NOx</td>
<td>0.03</td>
<td>lbs/ton</td>
<td>WebFIRE</td>
</tr>
<tr>
<td>BEP04A</td>
<td>30500213</td>
<td>CO</td>
<td>0.00118</td>
<td>lbs/ton</td>
<td>WebFIRE</td>
</tr>
<tr>
<td>BEP04B</td>
<td>30500214</td>
<td>CO</td>
<td>0.0013</td>
<td>lbs/ton</td>
<td>AP-42</td>
</tr>
<tr>
<td>BEP13</td>
<td>10201002</td>
<td>CO</td>
<td>3.20</td>
<td>lbs/1000 gal</td>
<td>WebFIRE</td>
</tr>
<tr>
<td></td>
<td>10201002</td>
<td>NOx</td>
<td>19.00</td>
<td>lbs/1000 gal</td>
<td>WebFIRE</td>
</tr>
<tr>
<td>BEP25</td>
<td>20200102</td>
<td>CO</td>
<td>130.00</td>
<td>lbs/1000 gal</td>
<td>WebFIRE</td>
</tr>
<tr>
<td></td>
<td>20200102</td>
<td>NOx</td>
<td>604.00</td>
<td>lbs/1000 gal</td>
<td>WebFIRE</td>
</tr>
<tr>
<td>CEP-18</td>
<td>20200102</td>
<td>CO</td>
<td>0.85</td>
<td>lbs/1000 gal</td>
<td>WebFIRE</td>
</tr>
<tr>
<td></td>
<td>20200102</td>
<td>NOx</td>
<td>3.20</td>
<td>lbs/1000 gal</td>
<td>WebFIRE</td>
</tr>
</tbody>
</table>
- Record monthly natural gas and diesel fuel usage. Purchase receipts are sufficient.
  - emission factors for NOx (100 lbs/ton) and CO (84 lbs/ton) from WebFIRE/AP-42 (SCC 3050245).
- Calculate monthly NOx/CO/VOC emissions in tons pollutant by multiplying throughput and emission factor.
- Calculate rolling 12-month NOx/CO/VOC emissions in tons pollutant by adding current month’s emissions to previous eleven months emissions.
- Compare emission total to limit and state whether or not compliance was met.
- Include SSM emissions, if any, in each monthly total as reported to the Air Pollution Control Program in accordance with 10 CSR 10-6.050.

Plantwide PW 2 emission limit:
- Include emissions for all particulate matter emission points listed in Section I. Installation Equipment Listing (both with and without limitations). Emissions may be grouped into batch and drum plant. Include installation insignificant sources.
- For PM$_{10}$ daily impact limit: record daily throughput measured in tons product.
  - Ambient impact factors of 0.0131 $\mu$g/m$^3$/ton for the Drum Plant, 0.1122 $\mu$g/m$^3$/ton for the Batch Mix Plant, and 20 $\mu$g/m$^3$ for all other PM$_{10}$ emissions including haul roads and storage piles.
- Calculate daily ambient impact by summing Drum Plant, Batch Plant, and Other totals.
- Compare to daily impact limit in PW2.
Attachment F
Best Management Practices (BMPs) - Construction Industry Fugitive Emissions

Construction Industry Sites covered by the Interim Relief Policy shall maintain Best Management Control Practices (BMPs) for fugitive emission areas at their installations when in operation. Options for BMPs are at least one of the following:

For Haul Roads:
1) Pavement of Road Surfaces
   a) The operator(s) may pave all or any portion of the haul roads with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve "Control of Fugitive Emissions 1" while the plant is operating.
   b) Maintenance and/or repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
   c) The operator(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the haul road(s) as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2) Usage of Chemical Dust Suppressants
   a) The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the unpaved portions of the haul roads. The suppressant will be applied in accordance with the manufacturer's suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
   b) The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
   c) The operator(s) shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

3) Usage of Documented Watering
   a) The operator(s) shall control the fugitive emissions from all the unpaved portions of the haul roads at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating. For example, the operator(s) shall calculate the total square feet of unpaved vehicle activity area requiring control on any particular day, divide that product by 1,000, and multiply the quotient by 100 gallons for that day.
   b) The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on
day(s) the plant is in operation (e.g., meteorological situations, precipitation events, freezing, etc.)

c) Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.

d) Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads. The operator(s) shall record a brief description of such events in the same log as the documented watering.

e) The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

For Vehicle Activity Areas around Open Storage Piles:

1) Pavement of Stockpile Vehicle Activity Surfaces -

a) The operator(s) may pave all or any portion of the vehicle activity areas around the storage piles with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve control of fugitive emissions while the plant is operating.

b) Maintenance and/or repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.

c) The operator(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2) Usage of Chemical Dust Suppressants

a) The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the vehicle activity areas around the open storage piles. The suppressant will be applied in accordance with the manufacturer's suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

b) The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.

c) The operator(s) shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

3) Usage of Documented Watering

a) The operator(s) shall control the fugitive emissions from all the vehicle activity areas around the storage piles at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions
from these areas while the plant is operating. (Refer to example for documented watering of haul roads.)

b) The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operations (e.g., meteorological situations, precipitation events, freezing, etc.)

c) Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.

d) Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads. The operator(s) shall record a brief description of such events in the same log as the documented watering.

e) The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.
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
Vance Brothers, Inc. operates asphalt plants at two locations in Jackson County: 5201 Brighton & 4915 Chelsea Ave. The two plants have separate IDs, but share products and are considered one source for operating permits. Products include cationic and anionic asphalt emulsions, asphalt-based sealers, coal tar-based sealers, acrylic coatings, and a polymer modified asphalt. There are a large number of tanks of various sizes at both locations. Vance Brothers is a synthetic minor source for carbon monoxide, oxides of nitrogen, and volatile organic compounds. Asphalt plants are not a named source and fugitive emissions are not counted towards potential-to-emit.

Air Pollutant Emissions, tons per year

<table>
<thead>
<tr>
<th>Pollutants</th>
<th>Reported Emissions</th>
<th>Potential to Emit¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter ≤ Ten Microns (PM₁₀)</td>
<td>4.0</td>
<td>3.7</td>
</tr>
<tr>
<td>Particulate Matter ≤ 2.5 Microns (PM₂.₅)</td>
<td>2.71</td>
<td>2.45</td>
</tr>
<tr>
<td>Sulfur Oxides (SO₂)</td>
<td>0.3</td>
<td>0.26</td>
</tr>
<tr>
<td>Nitrogen Oxides (NOₓ)</td>
<td>12.28</td>
<td>13.44</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>5.24</td>
<td>4.91</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>21.93</td>
<td>20.59</td>
</tr>
<tr>
<td>Hazardous Air Pollutants (HAPs)</td>
<td>0.01</td>
<td>0.01</td>
</tr>
</tbody>
</table>

¹Each emission unit was evaluated at 8,760 hours of uncontrolled annual operation, except for the emergency generator at 500 hours. Carbon monoxide, nitrogen oxides, and volatile organic compounds are limited to 100 tons in any 12-month period.
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 May 4, 2012;
2) 2016 Emissions Inventory Questionnaire, received March 17, 2017;
3) 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 10-6.261, Control of Sulfur Dioxide Emissions – all combustion equipment at the installation uses pipeline grade natural gas. Combustion equipment that uses exclusively pipeline grade natural gas as defined in 40 CFR 72.2 or liquefied petroleum gas as defined by American Society for Testing and Materials (ASTM), or any combination of these fuels are exempt from the requirements of these rules [(1)(A)].

10 CSR 10-6.400 Restriction of Particulate Matter Emissions from Industrial Processes – all particulate matter sources are exempt under (1)(B)(6) or (7). None of the heaters have material which comes in contact with the products of combustion. None of the tanks or heaters have emissions which could reasonably be sent to a stack.

Construction Permit History
Vance Brothers has had numerous construction permits issued by the Kansas City Health Department. Most were for the installation of single small tanks. Due to the large number and high turnover of tanks, in 2004 KCDH issued CP #1085 which allowed Vance Brothers to create and maintain a tanks master list rather than submit applications for every change (see Permit Condition PW 1). This condition has been retained in this document and expanded to include both the Brighton and Chelsea plants. CP#1085 and #1134 included production limits directly tied to emission and ambient air limits. These production limits have been replaced by emission limits. All other conditions of previous permits were superseded.
New Source Performance Standards (NSPS) Applicability
40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities – this rule applies to the Drum Plant. The most recent stack test was July 13 & 16, 2001. The measured concentration was 0.004282 gr/dscf, or one-tenth of the emission limit. Replacement drum and burners were installed in January 2012 with similar but more efficient parts, a “like-kind” replacement. It did not result in an increase in emissions and therefore is not a “Modification” under 40 CFR Subpart A. Cost of replacement was approximately 20% of new; therefore it did not qualify as “Reconstruction” under Subpart A. Given these facts, a new stack test is not required by this document.


40 CFR Part 60 Subpart UU—Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture – this rule does not apply because the installation is not a asphalt roofing manufacturer.

40 CFR Part 60 Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines – this rule does not apply to the two generators because they were constructed before July 11, 2005.

Maximum Achievable Control Technology (MACT) Applicability
40 CFR Part 63 Subpart EEEE—National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline) – this rule does not apply because the installation is not a major source for HAPs.

40 CFR Part 63 Subpart FFFF—National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing – this rule does not apply because the installation is not a major source for HAPs.

40 CFR Part 63 Subpart DDDDD—National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters – this rule does not apply because the installation is not a major source for HAPs.

40 CFR Part 63 Subpart HHHHH—National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing – this rule does not apply because the installation is not a major source for HAPs.

40 CFR Part 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines – the installation has two generators subject to Subpart ZZZZ as noted in Permit Condition 2. BEP 25 is a crusher generator and subject to the maintenance requirements of Table 2d. CEP-18 is an emergency generator and subject to only the emergency generator requirements.

40 CFR Part 63 Subpart JJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources – does not apply to the BEP13 or CEP-02 because they combust only natural gas.
40 CFR Part 63 Subpart AAAAAAAA - National Emission Standards for Hazardous Air Pollutants for Area Sources: Asphalt Processing and Asphalt Roofing Manufacturing – this rule does not apply because the installation does not produce either blown asphalt or roofing products.

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

None

**Other Regulatory Determinations**
10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin – Vance Brothers and KCDH agreed in 2006 to allow the limited use of diluted asphalt as a dust suppressant. Water remains the primary means of dust control. The type currently used, CSS-1H, contains no hazardous components. This product is used by customers, including the Missouri Department of Transportation, for the same purpose.

10 CSR 10-6.405 Restriction of Particulate Matter Emissions from Fuel Burning Equipment Used for Indirect Heating – The installation uses only natural gas for indirect heating and is deemed in compliance according to 10 CSR 10-6.405(1)(C).

**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**
No public comments were received.
NOV 1 3 2017

Mr. Mark Smith
Vice President
Vance Brothers
P.O. Box 300107
Kansas City, MO 64130

Re: Intermediate Operating Permit
   Installation ID’s: 095-0037 & 095-0064, Permit Number: OP2017-074

Dear Mr. Smith

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: 2012-05-026