PART 70
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.

Operating Permit Number: OP2015-036
Expiration Date: NOV 04 2021
Installation ID: 077-0116
Project Number: 2015-01-046

Installation Name and Address
Magellan Pipeline Company L.P.
2550 N. Brookline Avenue
Brookline, MO 65619
Green County

Parent Company's Name and Address
Magellan Pipeline Company L.P.
One Williams Center, MD 27
Tulsa, OK 74121

Installation Description:
Magellan Pipeline Company, L.P. - Springfield Terminal operates a petroleum product storage and loading facility. This installation receives petroleum products through underground pipelines, stores these products in large aboveground storage tanks, and loads tanker trucks with the products using a 4-spot loading rack with a vapor combustion unit (VCU). It is a major source for VOC and synthetic minor source for HAPs.

Prepared by
Bern Johnson
Operating Permit Unit

[Signature]

Director or Designee
Department of Natural Resources

NOV 04 2016
Effective Date
Table of Contents

I. INSTALLATION DESCRIPTION AND EQUIPMENT LISTING ..............................................................3
  INSTALLATION DESCRIPTION ...........................................................................................................3
  EMISSION UNITS WITH LIMITATIONS ..............................................................................................3
  EMISSION UNITS WITHOUT LIMITATIONS .........................................................................................4

II. PLANT WIDE EMISSION LIMITATIONS ............................................................................................5
  PERMIT CONDITION PW1  .......................................................................................................................5
    10 CSR 10-6.020(2)(I)23. and 10 CSR 10-6.065(5)(C)2. Voluntary Limitation(s) ................................5
  PERMIT CONDITION PW2  .......................................................................................................................6
    10 CSR 10-6.075 Maximum Achievable Control Technology Regulations .............................................6
    40 CFR 63 Subpart BBBBBB – National Emission Standards for Hazardous Air Pollutants for Source
    Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities ........................6

III. EMISSION UNIT SPECIFIC EMISSION LIMITATIONS .....................................................................8
  PERMIT CONDITION 1  ...........................................................................................................................8
    10 CSR 10-6.060 Construction Permits Required .................................................................................8
    Construction Permit #0594-007, Issued April 29, 1994 ......................................................................8
  PERMIT CONDITION 2  ...........................................................................................................................8
    10 CSR 10-6.070 New Source Performance Regulations ...................................................................8
    40 CFR Part 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels
    (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification
    Commenced After July 23, 1984 ...........................................................................................................8
  PERMIT CONDITION 3  ...........................................................................................................................11
    10 CSR 10-6.070 New Source Performance Regulations ...................................................................11
    40 CFR Part 60 Subpart XX Standards of Performance for Bulk Gasoline Terminals ............................11
  PERMIT CONDITION 4  ...........................................................................................................................14
    10 CSR 10-6.075 Maximum Achievable Control Technology Regulations ...........................................14
    40 CFR Part 63 Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source
    Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities ........................14
  PERMIT CONDITION 5  ...........................................................................................................................17
    10 CSR 10-6.075 Maximum Achievable Control Technology Regulations ...........................................17
    40 CFR Part 63 Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source
    Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities ........................17

IV. CORE PERMIT REQUIREMENTS .....................................................................................................20

V. GENERAL PERMIT REQUIREMENTS .............................................................................................25

VI. ATTACHMENTS ..................................................................................................................................31
  ATTACHMENT A .......................................................................................................................................32
    Inspection/Maintenance/Repair/Malfunction Log ...............................................................................32
  APPENDIX A ...........................................................................................................................................33
    Abbreviations and Acronyms ..............................................................................................................33
I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION
Magellan Pipeline Company, L.P. - Springfield Terminal operates a petroleum product storage and loading facility. This installation receives petroleum products through underground pipelines, stores these products in large aboveground storage tanks, and loads tanker trucks with the products using a 4-spot loading rack with a vapor combustion unit (VCU). Magellan Pipeline is not a named source because its capacity is less than 300,000 barrels and fugitives are not counted towards potential-to-emit. It is a major source of VOCs and synthetic minor source of HAPs.

<table>
<thead>
<tr>
<th>Pollutants</th>
<th>2014</th>
<th>2013</th>
<th>2012</th>
<th>2011</th>
<th>2010</th>
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</thead>
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<tr>
<td>Particulate Matter ≤ Ten Microns (PM$_{10}$)</td>
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<td>Particulate Matter ≤ 2.5 Microns (PM$_{2.5}$)</td>
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<td>Sulfur Oxides (SO$_x$)</td>
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<td>Nitrogen Oxides (NO$_x$)</td>
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<td>Volatile Organic Compounds (VOC)</td>
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<td>Carbon Monoxide (CO)</td>
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<td>Hazardous Air Pollutants (HAPs)</td>
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<td>1.54</td>
<td>1.07</td>
<td>1.00</td>
<td>1.21</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>EIQ Emission Point #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU001</td>
<td>Loading Rack – MHDR 96,000 gal/hr</td>
</tr>
<tr>
<td>EU003</td>
<td>Storage Tank #4001 – 1.538 MMgal ; internal floating roof</td>
</tr>
<tr>
<td>EU004</td>
<td>Storage Tank #4002 – 1.556 MMgal ; internal floating roof</td>
</tr>
<tr>
<td>EU005</td>
<td>Storage Tank #4003 – 1.538 MMgal ; internal floating roof</td>
</tr>
<tr>
<td>EU007</td>
<td>Storage Tank #6017 – 0.752 MMgal ; internal floating roof</td>
</tr>
<tr>
<td>EU010</td>
<td>Storage Tank #1510 – 2.237 MMgal ; internal floating roof</td>
</tr>
</tbody>
</table>
EMISSION UNITS WITHOUT LIMITATIONS
The following list provides a description of the equipment that does not have unit specific limitations at the time of permit issuance.

<table>
<thead>
<tr>
<th>EIQ Emission Point #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU002</td>
<td>Storage Tank #796 – 1.235 MMgal ; vertical fixed roof</td>
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<tr>
<td>EU006</td>
<td>Storage Tank #6016 – 0.802 – MMgal ; vertical fixed roof</td>
</tr>
<tr>
<td>EU008</td>
<td>Storage Tank #121 – 38.682 Mgal ; vertical fixed roof</td>
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<tr>
<td>EU009</td>
<td>Storage Tank #122 – 42.630 Mgal ; vertical fixed roof</td>
</tr>
<tr>
<td>EU011</td>
<td>Storage Tank #1511 – 2.259 MMgal ; vertical fixed roof</td>
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<tr>
<td>EU013</td>
<td>Roof Landing Emissions (tanks 4001, 4002, 4003, 6017, &amp; 1510)</td>
</tr>
<tr>
<td></td>
<td>Tank 070 – 3,000 gal</td>
</tr>
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<td></td>
<td>Tank 110 – 12,000 gal</td>
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<td></td>
<td>Tank 111 – 4,500 gal</td>
</tr>
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<td></td>
<td>Tank 120 – 2,000 gal</td>
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<td></td>
<td>Tank 130 – 12,000 gal</td>
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<td>Tank 131 – 1,000 gal</td>
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<td>Tank 132 – 3,000 gal</td>
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<td>Tank 133 – 500 gal</td>
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<td>Tank 137 – 564 gal</td>
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<td>Tank 160 – 4,200 gal</td>
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<td></td>
<td>Water Tank 304 – 12,684 gal</td>
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<td></td>
<td>Oil/Water Separator – 5,040 gal</td>
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<tr>
<td></td>
<td>Butane system</td>
</tr>
<tr>
<td></td>
<td>Ethanol skid</td>
</tr>
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</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 as of the date that this permit is issued. 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 or Emission Units without Limitations.

**PERMIT CONDITION PW1**
10 CSR 10-6.065(6)(C)2. Voluntary Limitation(s)

**Emission Limitation:**
1) The permittee shall emit less than 10 tons in any consecutive 12-month period of any individual hazardous air pollutant (HAP) from the entire installation.
2) The permittee shall emit less than 25 tons in any consecutive 12-month period of combined HAPs combined, from the entire installation.

**Monitoring/Recordkeeping Requirements:**
1) The permittee shall calculate and record monthly and 12-month rolling total emissions of individual HAP and combined HAPs. The Air Pollution Control Program has reviewed and approved custom tracking worksheets (Springfield-_R12_Calculations[date].xlsm) to demonstrate compliance with this limitations listed above.
2) The permittee shall maintain accurate records of the type, volume, and period of storage for each product stored in the facility tanks or handled by the loading racks.
3) The permittee shall maintain on file data sufficient to document the percent HAP constituents in the fuels handled, such as EPA-453 R-94-002a.
4) The permittee shall maintain these records on site for five years.
5) The permittee shall immediately make such records available to any Department of Natural Resources’ personnel upon request.

**Reporting Requirements:**
1) The permittee shall report to the Air Pollution Control Program’s Compliance / 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 any of the emission limitations listed above.
2) The permittee shall report any deviations from the emission limitation, monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual and annual monitoring report required by Section V of this permit.
**PERMIT CONDITION PW2**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations


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**Operational Limitations:**

1) The permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions [§63.11085(a)].

2) The permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following [§63.11086(d)]:
   a) Minimize gasoline spills;
   b) Clean up spills as expeditiously as practicable;
   c) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
   d) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

3) The permittee shall perform a monthly leak inspection of all equipment in gasoline service [§63.11086(c)]. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Equipment means each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in the gasoline liquid transfer and vapor collection systems. This definition also includes the entire vapor processing system except the exhaust port(s) or stack(s).

4) When a leak is detected, the permittee shall make an initial attempt at repair as soon as practicable, but no later than 5 calendar days after the leak is detected. The permittee shall complete repair or replacement of leaking equipment within 15 calendar days after detection of each leak, except as provided in 5) below [§63.11089(c)].

5) Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days [§63.11089(d)]. The permittee must document the reason(s) why the repair was not feasible and the date each repair was completed as described under *Monitoring/Recordkeeping Requirements* and include the event on the semiannual excess emissions report described in *Reporting Requirements*.

6) As an alternative to the monthly leak inspection described in 3) of this section, the permittee may implement an instrument leak monitoring program that has been demonstrated to the Director as at least equivalent.

**Monitoring/Recordkeeping Requirements:**

1) The permittee shall prepare and maintain an up-to-date logbook which contains the following information for all equipment in gasoline service:
   a) A list, summary description, or diagram(s) showing the location of all equipment in gasoline service;
   b) All completed and signed leak inspection reports; and
   c) A record of maintenance and repairs;
   d) If the permittee elects to implement an instrument monitoring program to comply with the rule, the logbook shall also contain a full description of the monitoring program.
2) The permittee shall record the following information for each monthly leak inspection:
   a) Date of inspection;
   b) The equipment type and identification number; and
   c) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).
   d) Each detection of a liquid or vapor leak shall be recorded in the logbook and shall include the leak determination method (i.e., sight, sound, or smell).
   e) If a leak is identified, the permittee must also record the following:
      1. The nature of the leak (i.e., vapor or liquid);
      2. The date of each attempt to repair the leak;
      3. Repair methods applied in each attempt to repair the leak;
      4. “Repair delayed” and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak;
      5. The expected date of successful repair of the leak if the leak is not repaired within 15 days; and
      6. The date of successful repair of the leak.
   f) The name and signature of the person completing the inspection.

3) The permittee may use a custom inspection report to demonstrate compliance with this requirement. The Air Pollution Control Program has reviewed and approved the custom inspection report (06-FORM-0016 - Loading Rack and Facility Leak Inspection and Repair Log.pdf).

4) The permittee shall maintain these records on site for five years.

5) The permittee shall immediately make such records available to any Department of Natural Resources’ personnel upon request.

**Reporting Requirements:**

1) The permittee shall submit reports to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, and to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102.

2) The permittee shall submit a semiannual excess emissions report, including the information specified in paragraphs §63.11095(a)(3) and (b)(5), only for a 6-month period during which an excess emission event has occurred. If no excess emission events have occurred during the previous 6-month period, no report is required. [§63.11095(c)]

3) The permittee shall submit a semiannual report as required by Section V of this permit. If a malfunction occurred during the reporting period, the report shall include information including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee during a malfunction of an affected source to minimize emissions in accordance with §63.11085(a), including actions taken to correct a malfunction. [§63.11095(d)]
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 as of the date that this permit is issued.

**PERMIT CONDITION 1**

<table>
<thead>
<tr>
<th>Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU001</td>
<td>Loading Rack – MHDR 96,000 gal/hr; vapor combuster unit (VCU); construction date 1994, VCU 2007</td>
<td>VCU - John Zink</td>
</tr>
</tbody>
</table>

**Operational Limitation:**
The permittee shall operate a vapor combustion unit (VCU) at all times the loading rack is operational. [Special Condition 1]

**Monitoring/Recordkeeping:**
1) The permittee shall maintain and operate the VCU as required to comply with Subpart XX in Permit Condition 3 [Special Condition 4]
2) The permittee shall record any maintenance and/or repairs to the VCU using Attachment A or equivalent.
3) The permittee shall maintain all records onsite for a minimum of five years and shall make them available to Department of Natural Resources’ personnel upon request.

**Reporting:**
The permittee shall report any deviations from the operational limitation, monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual and annual monitoring report required by Section V of this permit.

**PERMIT CONDITION 2**

<table>
<thead>
<tr>
<th>Reference #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU010</td>
<td>Storage Tank #1510 – 2.237 MMgal; internal floating roof; construction date 1998</td>
</tr>
</tbody>
</table>

**Operational Specifications:**
The permittee has chosen to comply with Subpart Kb by equipping the storage vessel with a fixed roof and an internal floating roof meeting the following specifications: [§60.112b(a)(1)]
1) 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. [§60.112b(a)(1)(i)]
   a) The internal floating roof shall be equipped with a mechanical shoe seal 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. [§60.112b(a)(1)(ii)(C)]
2) 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. [§60.112b(a)(1)(iii)]
3) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder 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. [§60.112b(a)(1)(iv)]
4) 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. [§60.112b(a)(1)(v)]
5) 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. [§60.112b(a)(1)(vi)]
6) 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. [§60.112b(a)(1)(vii)]
7) 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. [§60.112b(a)(1)(viii)]
8) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. [§60.112b(a)(1)(ix)]

**Monitoring:**
1) After installing the permanently affixed roof and internal floating roof, the permittee shall:
   [§60.113b(a)]
   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. [§60.113b(a)(1)]
   b) For vessels equipped with a 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 §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [§60.113b(a)(2)]

c) 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 Subpart Kb occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in §60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in §60.113b(a)(3)(i). [§60.113b(a)(4)]

Recordkeeping:

1) The permittee shall keep copies of all reports and records required for at least 2 years with the following exception: [§60.115b and §60.116b(a)]
   a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the source. [§60.116b(b)]

2) The permittee shall 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). [§60.115b(a)(2)]

3) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. [§60.116b(b)]

4) The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. [§60.116b(c)]

5) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below. [§60.116b(e)]
   a) For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service. [§60.116b(e)(1)]

b) For crude oil or refined petroleum products the vapor pressure may be obtained by the following: [§60.116b(e)(2)]
   i) Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference - see §60.17), unless the Director specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s). [§60.116b(e)(2)(i)]
ii) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa. [§60.116b(e)(2)(ii)]

c) For other liquids, the vapor pressure: [§60.116b(e)(3)]
   i) May be obtained from standard reference texts, or [§60.116b(e)(3)(i)]
   ii) Determined by ASTM D2879–83, 96, or 97 (incorporated by reference-see §60.17); or [§60.116b(e)(3)(ii)]
   iii) Measured by an appropriate method approved by the Administrator; or [§60.116b(e)(3)(iii)]
   iv) Calculated by an appropriate method approved by the Director. [§60.116b(e)(3)(iv)]

**Reporting:**

1) The permittee shall meet the following reporting requirements: [§60.115b(a)]
   a) If any of the conditions described in Monitoring 1)b) above 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 and date the repair was made. [§60.115b(a)(3)]
   b) 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 is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the tank, the owner or operator shall notify the Director at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Director at least 7 days prior to the refilling. [§60.113b(a)(5)]

**PERMIT CONDITION 3**

10 CSR 10-6.070 New Source Performance Regulations
40 CFR Part 60 Subpart XX Standards of Performance for Bulk Gasoline Terminals

<table>
<thead>
<tr>
<th>2014 EQI Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU001</td>
<td>Loading Rack – MHDR 96,000 gal/hr; vapor combustor unit (VCU); construction date 1994, VCU 2007</td>
<td>VCU - John Zink</td>
</tr>
</tbody>
</table>

**Emission Limitation:**
The permittee shall not emit more than 35 milligrams of total organic compounds per liter of gasoline loaded from the vapor collection system due to the loading of liquid product into gasoline tank trucks. [§60.502(b)]

**Operational Limitation:**
1) The permittee shall comply with the following requirements: [§60.502]
   a) Each affected emission unit shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. [§60.502(a)]
b) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. [§60.502(d)]

c) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures: [§60.502(e)]

i) The permittee shall obtain vapor tightness documentation for each gasoline tank truck which is to be loaded at the affected facility. [§60.502(e)(1)]

ii) The permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility. [§60.502(e)(2)]

iii) The permittee shall cross-check each tank identification number with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded, unless either of the following conditions is maintained: [§60.502(e)(3)(i)]

1) If less than an average of one gasoline tank truck per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or [§60.502(e)(3)(i)(A)]

2) If less than an average of one gasoline tank truck per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually. [§60.502(e)(3)(i)(B)]

3) If either the quarterly or semiannual cross-check reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met. [§60.502(e)(3)(ii)]

iv) The permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 1 week of the documentation cross-check. [§60.502(e)(4)]

v) The permittee shall take steps assuring that the non vapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained. [§60.502(e)(5)]

vi) Alternate procedures to those described above for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Director. [§60.502(e)(6)]

d) The permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system. [§60.502(f)]

e) The permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks. [§60.502(g)]

f) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the following procedures: [§60.502(h)]

i) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck. [§60.503(d)(1)]

ii) During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall
also be recorded. Every loading position must be tested at least once during the performance test. \([\S 60.503(d)(2)]\)

g) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water). \([\S 60.502(i)]\)

**Monitoring:**

1) The permittee shall inspect the vapor collection system, the vapor processing system, and each loading rack handling gasoline during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks each calendar month. Detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected. \([\S 60.502(j)]\)

2) The permittee shall use a Flame Eye to monitor continuously the vapor collection system for the presence of a flame. If no flame is detected, the vapor collection system will be shutdown.

**Recordkeeping:**

1) The permittee shall keep on file tank truck vapor tightness documentation required under Operational Limitation 1) above at the terminal in a permanent form available for inspection. \([\S 60.505(a)]\)

2) The permittee shall update the documentation file for each gasoline tank truck at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information: \([\S 60.505(b)]\)

   a) Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27. \([\S 60.505(b)(1)]\)

   b) Tank owner and address. \([\S 60.505(b)(2)]\)

   c) Tank identification number. \([\S 60.505(b)(3)]\)

   d) Testing location. \([\S 60.505(b)(4)]\)

   e) Date of test. \([\S 60.505(b)(5)]\)

   f) Tester name and signature. \([\S 60.505(b)(6)]\)

   g) Witnessing inspector, if any: Name, signature, and affiliation. \([\S 60.505(b)(7)]\)

   h) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs). \([\S 60.505(b)(8)]\)

3) The permittee shall keep a record of each monthly leak inspection required on file at the terminal for at least 5 years. Inspection records shall include, as a minimum, the following information: \([\S 60.505(c)]\)

   a) Date of inspection. \([\S 60.505(c)(1)]\)

   b) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak). \([\S 60.505(c)(2)]\)

   c) Leak determination method. \([\S 60.505(c)(3)]\)

   d) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days). \([\S 60.505(c)(4)]\)

   e) Inspector name and signature. \([\S 60.505(c)(5)]\)

4) The permittee shall keep documentation of all notifications required on file at the terminal for at least 5 years. \([\S 60.505(d)]\)

5) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in 1) and 4) above, the permittee may comply with the requirements in either a) or b) below: \([\S 60.505(e)]\)

   a) An electronic copy of each record is instantly available at the terminal. \([\S 60.505(e)(1)]\)
The copy of each record is an exact duplicate image of the original paper record with certifying signatures. [§60.505(e)(1)(i)]
ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance. [§60.505(e)(1)(ii)]
b) For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by permitting authority representatives during the course of a site visit, or within a mutually agreeable time frame. [§60.505(e)(2)]
i) The copy of each record is an exact duplicate image of the original paper record with certifying signatures. [§60.505(e)(2)(i)]
ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance. [§60.505(e)(2)(ii)]
6) The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 5 years. [§60.505(f)]

**Reporting:**
1) The permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the facility within one week of the documentation crosscheck. [§60.502(e)(4)]
2) The permittee shall report to the Air Pollution Control Program’s Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month in which the permittee determines that the installation exceeded the emission limitation listed above.
3) The permittee shall report any deviations from the emission limitation, monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual and annual monitoring report required by Section V of this permit.

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**PERMIT CONDITION 4**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations

<table>
<thead>
<tr>
<th>2014 EIQ Reference #</th>
<th>Description</th>
<th>Manufacturer/Model #</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU001</td>
<td>Loading Rack – MHDR 96,000 gal/hr; vapor combustor unit (VCU); construction date 1994, VCU 2007</td>
<td>VCU - John Zink</td>
</tr>
</tbody>
</table>

**Emission Limitation:**
The emission limit and management practices in Permit Condition 3 are more stringent than those contained in Subpart BBBBBB. Therefore, there are no additional emission limitations or operational specifications.

**Testing:**
1) Based on the emission limit established in Permit Condition 3, the permittee may submit a statement by a responsible official certifying the compliance status of the loading rack in lieu of the performance test required under §63.11092(a)(1). [§63.11092(a)(2)]
a) The permittee has chosen to comply with the emission limit established in Permit Condition 3 by submitting a certification by a responsible official. The monitored operating parameter is flame presence in the vapor combustion unit (VCU) [§63.11092(b)(5)(i)].

2) The annual certification test for gasoline cargo tanks shall consist of EPA Method 27, Appendix A–8, 40 CFR Part 60. Conduct the test using a time period (t) for the pressure and vacuum tests of 5 minutes. The initial pressure (P_i) for the pressure test shall be 460 millimeters (mm) of water (18 inches of water), gauge. The initial vacuum (V_i) for the vacuum test shall be 150 mm of water (6 inches of water), gauge. The maximum allowable pressure and vacuum changes (Δ p, Δ v) for all affected gasoline cargo tanks is 3 inches of water, or less, in 5 minutes. [§63.11092(f)(1)]

**Monitoring:**
1) The permittee shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [§63.11089(a)]

2) When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak. [§63.11089(c)]

3) Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report, the reason(s) why the repair was not feasible and the date each repair was completed. [§63.11089(d)]

4) The permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value. [§63.11092(d)(2)]

5) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission limitation. [§63.11092(d)(3)]

6) Malfunctions that are discovered shall not constitute a violation of the emission limitation if corrective actions as described in the monitoring and inspection plan are followed. [§63.11092(d)(4)]

The permittee must:
- a) Initiate corrective action to determine the cause of the problem within 1 hour;
- b) Initiate corrective action to fix the problem within 24 hours;
- c) Complete all corrective actions needed to fix the problem as soon as practicable consistent with good air pollution control practices for minimizing emissions;
- d) Minimize periods of start-up, shutdown, or malfunction; and
- e) Take any necessary corrective actions to restore normal operation and prevent the recurrence of the cause of the problem.

**Recordkeeping:**
1) *Monthly Leak Inspection.* The permittee shall maintain a monthly leak inspection log book. It shall be signed at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [§63.11089(b)]

2) The permittee shall record each detection of a liquid or vapor leak in the log book. [§63.11089(c)]

3) The permittee shall record in the log book for each leak that is detected the following information: [§63.11094(e)]
   - a) The equipment type and identification number. [§63.11094(e)(1)]
   - b) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). [§63.11094(e)(2)]
c) The date the leak was detected and the date of each attempt to repair the leak. \([\text{§63.11094(e)(3)}]\)
d) Repair methods applied in each attempt to repair the leak. \([\text{§63.11094(e)(4)}]\)
e) “Repair delayed” and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. \([\text{§63.11094(e)(5)}]\)
f) The expected date of successful repair of the leak if the leak is not repaired within 15 days. \([\text{§63.11094(e)(6)}]\)
g) The date of successful repair of the leak. \([\text{§63.11094(e)(7)}]\)

4) **Gasoline Cargo Tank Loading.** The permittee shall keep records of the test results for each gasoline cargo tank loading at the facility: \([\text{§63.11094(b)}]\)

a) Annual certification testing performed under Testing 2) above. \([\text{§63.11094(b)(1)}]\)

b) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information: \([\text{§63.11094(b)(2)}]\)

i) *Name of test:* Annual Certification Test—Method 27. \([\text{§63.11094(b)(2)(i)}]\)

ii) Cargo tank owner's name and address. \([\text{§63.11094(b)(2)(ii)}]\)

iii) Cargo tank identification number. \([\text{§63.11094(b)(2)(iii)}]\)

iv) Test location and date. \([\text{§63.11094(b)(2)(iv)}]\)

v) Tester name and signature. \([\text{§63.11094(b)(2)(v)}]\)

vi) *Witnessing inspector, if any:* Name, signature, and affiliation. \([\text{§63.11094(b)(2)(vi)}]\)

vii) *Vapor tightness repair:* Nature of repair work and when performed in relation to vapor tightness testing. \([\text{§63.11094(b)(2)(vii)}]\)

viii) *Test results:* Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition. \([\text{§63.11094(b)(2)(viii)}]\)

5) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in 4)b), the permittee may comply with the requirements in either a) or b) below: \([\text{§63.11094(c)}]\)

a) An electronic copy of each record is instantly available at the terminal. \([\text{§63.11094(c)(1)}]\)

i) The copy of each record is an exact duplicate image of the original paper record with certifying signatures. \([\text{§63.11094(c)(1)(i)}]\)

ii) The Director is notified in writing that each terminal using this alternative is in compliance with 5)a). \([\text{§63.11094(c)(1)(ii)}]\)

b) For facilities that use a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by the Director’s delegated representatives during the course of a site visit, or within a mutually agreeable time frame. \([\text{§63.11094(c)(2)}]\)

i) The copy of each record is an exact duplicate image of the original paper record with certifying signatures. \([\text{§63.11094(c)(2)(i)}]\)

ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with 5)b). \([\text{§63.11094(c)(2)(ii)}]\)

6) The permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under Monitoring: 1)-3), the record shall contain a full description of the program. \([\text{§63.11094(d)}]\)
**Reporting:**

1) The permittee shall submit reports to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219 and to the Air Pollution Control Program, Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102.

2) *Semiannual Compliance Report.* The permittee shall include in a semiannual compliance report to the Director the following information, as applicable: [§63.11095(a)]
   a) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. [§63.11095(a)(2)]
   b) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection. [§63.11095(a)(3)]

3) *Excess Emissions Report.* The permittee shall submit an excess emissions report to the Director at the time the semiannual compliance report is submitted. Excess emissions events under Subpart BBB BBBB, and the information to be included in the excess emissions report, are specified below: [§63.11095(b)]
   a) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained. [§63.11095(b)(1)]
   b) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with Recordkeeping:
   4). [§63.11095(b)(2)]
   c) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value. The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems. [§63.11095(b)(3)]
   d) For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection: [§63.11095(b)(5)]
      i) The date on which the leak was detected; [§63.11095(b)(5)(i)]
      ii) The date of each attempt to repair the leak; [§63.11095(b)(5)(ii)]
      iii) The reasons for the delay of repair; and [§63.11095(b)(5)(iii)]
      iv) The date of successful repair. [§63.11095(b)(5)(iv)]

**PERMIT CONDITION 5**

10 CSR 10-6.075 Maximum Achievable Control Technology Regulations

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<td>Storage Tank #4001 – 1.538 MMgal; internal floating roof; construction date 1967</td>
</tr>
<tr>
<td>EU004</td>
<td>Storage Tank #4002 – 1.556 MMgal; internal floating roof; construction date 1967</td>
</tr>
<tr>
<td>EU005</td>
<td>Storage Tank #4003 – 1.538 MMgal; internal floating roof; construction date 1967</td>
</tr>
<tr>
<td>EU007</td>
<td>Storage Tank #6017 – 0.752 MMgal; internal floating roof; construction date 1967</td>
</tr>
<tr>
<td>EU010</td>
<td>Storage Tank #1510 – 2.237 MMgal; internal floating roof; construction date 1998</td>
</tr>
</tbody>
</table>

Note: Compliance requirements with Subpart BBB BBBB requirements for storage tanks over 75 m³ are listed in Table 1 of Subpart BBB BBBB and achieved through 40 CFR 60.112b & 113b (Subpart Kb). Subpart Kb does not apply to EU003-7 because of their construction date.
**Operational Specifications:**

1) The permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications: [§60.112b(a)(1)]

   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. [§60.112b(a)(1)(i)]

   b) Each internal floating roof shall be equipped with the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: [§60.112b(a)(1)(ii)]

      i. 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. [§60.112b(a)(1)(ii)(A)]

      ii. 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. [§60.112b(a)(1)(ii)(C)]

   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. [§60.112b(a)(1)(iii)]

**Monitoring:**

1) The permittee must perform inspections of the floating roof system. [§63.11092(e)(1)]

   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. [§60.113b(a)(1)]

   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. 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. [§60.113b(a)(2)]

   c) 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 owner or operator 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 condition occur at intervals greater than 10 years. [§60.113b(a)(4)]

**Recordkeeping:**
1) The permittee shall keep records as specified in §60.115b, except records shall be kept for at least 5 years. [§63.11094(a)]
   a) 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). [§60.115b(a)(2)]

**Reporting:**
1) The permittee shall submit reports to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, and to the Air Pollution Control Program, Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102.
2) The permittee shall include in a semiannual compliance report to the Director the following information, as applicable: [§63.11095(a) and §63.11095(a)(1)]
   a) If any of the conditions described in Monitoring:1b) 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 and date the repair was made. [§60.115b(a)(3)]
   b) 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. [§60.115b(a)(4)]
   c) 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 Monitoring:1c) is not planned and the owner or operator 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. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Director at least 7 days prior to the refilling. [§60.113b(a)(5)]
IV. Core Permit Requirements

The installation shall comply with each of the following regulations or codes. Consult the appropriate sections in the Code of Federal Regulations (CFR), the 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 as of the date that this permit is issued. The following is only an excerpt from the regulation or code, and is provided for summary purposes only.

10 CSR 10-6.045 Open Burning Requirements

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

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

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

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

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

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

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

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

### 10 CSR 10-6.060 Construction Permits Required

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

### 10 CSR 10-6.065 Operating Permits

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

### 10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

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

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

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

4) The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079.

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

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

7) The reporting period shall end on December 31 of each calendar year. Each report shall contain the required information for each emission unit for the twelve (12)-month period immediately preceding the end of the reporting period.
8) The permittee shall collect, record and maintain the information necessary to complete the required forms during each year of operation of the installation.

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

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

### 10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

### 10 CSR 10-6.165 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. This odor evaluation shall be taken at a location outside of the installation’s property boundary.

### 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 10-6.280 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 by a permittee:

   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.

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

1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

   a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.

   b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.

   c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.

   d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.

2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:

   a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.

   b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.

   c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.

   d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).

   e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.

   f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

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

5) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR part 82*
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(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(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, Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
   b) The permittee shall submit a report of all required monitoring by:
      i) October 1st for monitoring which covers the January through June time period, and
      ii) April 1st for monitoring which covers the July through December time period.
      iii) Exception. Monitoring requirements which require reporting more frequently than semiannually 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, this includes deviations or Part 64 exceedances.
   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.A 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 semiannual 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(6)(C)1.D Risk Management Plan Under Section 112(r)
The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

1) June 21, 1999;
2) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
3) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(6)(C)1.F Severability Clause
In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

10 CSR 10-6.065(6)(C)1.G 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.
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 pursuant to 10 CSR 10-6.065(6)(C)1.

### 10 CSR 10-6.065(6)(C)1.H Incentive Programs Not Requiring Permit Revisions

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

### 10 CSR 10-6.065(6)(C)1.I Reasonably Anticipated Operating Scenarios

None

### 10 CSR 10-6.065(6)(C)3 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 EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, as well as the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and Part 64 exceedances and excursions 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(6)(C)6 Permit Shield**

1) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:

a) The applicable requirements are included and specifically identified in this permit, or

b) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.

2) Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:

a) The provisions of section 303 of the Act or section 643.090, RSMo concerning emergency orders,

b) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,

c) The applicable requirements of the acid rain program,

d) The authority of the Environmental Protection Agency and the Air Pollution Control Program of the Missouri Department of Natural Resources to obtain information, or

e) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

**10 CSR 10-6.065(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(6)(C)8 Operational Flexibility**

An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, at least seven days in advance of these changes, except as allowed for emergency or upset conditions.

Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

1) Section 502(b)(10) changes. Changes that, under section 502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), record keeping, reporting or compliance requirements of the permit.

   a) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and the APCP shall place a copy with the permit in the public file. Written notice shall be provided to the EPA and the APCP as above at least seven days before the change is to be made. If less than seven days notice is provided because of a need to respond more quickly to these unanticipated conditions, the permittee shall provide notice to the EPA and the APCP as soon as possible after learning of the need to make the change.

   b) The permit shield shall not apply to these changes.

**10 CSR 10-6.065(6)(C)9 Off-Permit Changes**

1) Except as noted below, the permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. 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 subject to any requirements under Title IV of the Act or is a Title I modification;

   b) The permittee must provide contemporaneous written notice of the change to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219. This notice shall not be required for changes that are insignificant activities under 10 CSR 10-6.065(6)(B)3 of this rule. 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.
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; and
d) The permit shield shall not apply to these changes.

10 CSR 10-6.020(2)(R)34 Responsible Official
The application utilized in the preparation of this permit was signed by Melanie Little, VP Operations. 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(6)(E)6 Reopening-Permit for Cause
This permit may be reopened for cause if:
1) The Missouri Department of Natural Resources (MDNR) receives notice from the Environmental Protection Agency (EPA) that a petition for disapproval of a permit pursuant to 40 CFR § 70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
2) 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,
3) 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,
4) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit; or
5) MDNR or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065(6)(E)1.C Statement of Basis
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

Inspection/Maintenance/Repair/Malfunction Log

Emission Unit # ________________________________

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APPENDIX A
Abbreviations and Acronyms

% ............ percent
°F ............ degrees Fahrenheit
acfm .......... actual cubic feet per minute
BACT ...... Best Available Control Technology
BMPs ...... Best Management Practices
Btu .......... British thermal unit
CAM ...... Compliance Assurance Monitoring
CAS .......... Chemical Abstracts Service
CEMS ...... Continuous Emission Monitor System
CFR.......... Code of Federal Regulations
CO .......... carbon monoxide
CO₂ .......... carbon dioxide
CO₂e ........ carbon dioxide equivalent
COMS ...... Continuous Opacity Monitoring System
CSR.......... Code of State Regulations
dscf ......... dry standard cubic feet
EIQ .......... Emission Inventory Questionnaire
EP .......... Emission Point
EPA ......... Environmental Protection Agency
EU .......... Emission Unit
fps .......... feet per second
ft ............ feet
GACT ...... Generally Available Control Technology
GHG ......... Greenhouse Gas
gpm .......... gallons per minute
gr .......... grains
GWP ......... Global Warming Potential
HAP .......... Hazardous Air Pollutant
hr .......... hour
hp ........... horsepower
lb .......... pound
lbs/hr ........ pounds per hour
MACT ...... Maximum Achievable Control Technology
µg/m³ ........ micrograms per cubic meter
m/s ............ meters per second
Mgal ........ thousand gallons
MMgal ...... million gallons
MW ........... megawatt
MHDR ....... maximum hourly design rate
MMBtu ...... Million British thermal units
MMCF ....... million cubic feet
MSDS ........ Material Safety Data Sheet
NAAQS ...... National Ambient Air Quality Standards
NESHAPs ... National Emissions Standards for Hazardous Air Pollutants
NOₓ ............ nitrogen oxides
NSPS ........ New Source Performance Standards
NSR .......... New Source Review
PM .......... particulate matter
PM₂·₅ .......... particulate matter less than 2.5 microns in aerodynamic diameter
PM₁₀ .......... particulate matter less than 10 microns in aerodynamic diameter
ppm .......... parts per million
PSD .......... Prevention of Significant Deterioration
PTE .......... potential to emit
RACT ...... Reasonable Available Control Technology
RAL .......... Risk Assessment Level
SCC .......... Source Classification Code
scfm .......... standard cubic feet per minute
SDS .......... Safety Data Sheet
SIC .......... Standard Industrial Classification
SIP .......... State Implementation Plan
SMAL ...... Screening Model Action Levels
SMAL ...... Screening Model Action Levels
SOₓ .......... sulfur oxides
SO₂ .......... sulfur dioxide
tph .......... tons per hour
tpy .......... tons per year
VMT .......... vehicle miles traveled
VOC .......... Volatile Organic Compound
STATEMENT OF BASIS

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) Part 70 Operating Permit Application, received January 27, 2015;
2) 2014 Emissions Inventory Questionnaire, received April 4, 2015;
3) Operating Permit OP2010-086, issued July 25, 2015;
4) Construction Permit #0594-007;
5) Construction Permit #0595-005 and #0595-005A;
6) Construction Permit #0596-029;
7) Construction Permit #0198-020 and #0198-020A;
10) 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 the following requirements to not be 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.

Permit History
Construction Permit #0594-007 authorized the replacement of an existing 2-spot top-loading rack with a new 2-spot bottom-loading rack and upgrading an existing 2-spot bottom loading rack with new equipment.
   a) Special Conditions 2 and 3 were completed and not included in the operating permit.

Construction Permit #0595-005 and #0595-005A authorized the installation of Additive Storage Tank #131, a 1,000-gallon additive tank, and two 500-gallon additive tanks. The amendment removed two of the three special conditions, leaving only a condition to record throughput. Since that data is recorded
for monitoring of other permit conditions, it is not repeated as a separate condition as is previous operating permits.

Construction Permit #0596-029 authorized the installation of a 1,000-gallon additive tank.

Construction Permit #0198-020 and #0198-020A authorized the installation of EP-010 (Tank #1510), a 58,000-barrel gasoline storage tank, and EP-011 (Tank #1511), a 55,000-barrel storage tank for jet kerosene or products having a lower volatility products.

b) In the Review Summary and Applicable Rule sections of this construction permit, 40 CFR Part 63 subpart R is listed as an applicable requirement. However, the EPA policy established in a May 16, 1995 memorandum, “Potential to Emit for MACT Standards-Guidance on Timing Issues,” provides that a major source may become an area source by limiting its potential to emit HAP emissions to below major source levels (10 tpy or more of any individual HAP or 25 tpy or more of any combination of HAP), no later than the source’s first substantive compliance date under an applicable MACT standard. The first substantive compliance date for subpart R was December 15, 1997. Since the facility became an area source prior to 1997, the facility is not subject to this rule.

New Source Performance Standards (NSPS) Applicability
40 CFR Part 60 Subpart K, Standards of Performance For Storage Vessels For Petroleum Liquids For Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior To May 19, 1978 – this rule does not apply because there are no storage vessels for petroleum liquids constructed after June 11, 1973 and prior to May 19, 1978 at the facility.

40 CFR Part 60 Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 – this rule does not apply because there are no storage vessels for petroleum liquids constructed after May 18, 1978 and prior to July 23, 1984 at the facility.


a) This rule applies to EP-010 (Tank #1510).

b) This rule does not apply to EP-011 (Tank #1511) because this tank stores only low vapor pressure fuels, such as kerosene (0.06895 kPa). [§63.110b(b)]

40 CFR Part 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals – this rule applies to EP-001 (Loading Rack) and is applied as Permit Condition 3. The vapor combustion unit was upgraded after December 17, 1980, and is not an existing processing system. Therefore, the 35 mg/gal emission limit applies.

Maximum Achievable Control Technology (MACT) Applicability
40 CFR Part 63 Subpart R, National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) – this rule does not apply because the facility is not a major source of HAPs. See further discussion under Permit History ( #0198-020).

40 CFR Part 63 Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities – this rule applies to gasoline distribution bulk terminals, bulk plants, and pipeline facilities. The installation is subject to this rule. The compliance date was January 10, 2011 and the Notice of Compliance Status was submitted on January 5, 2011.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability
In the permit application and according to APCP records, there was no indication that any Missouri Air Conservation Law, Asbestos Abatement, 643.225 through 643.250; 10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos; and 10 CSR 10-6.250, Asbestos Abatement Projects - Certification, Accreditation, and Business Exemption Requirements apply to this installation. The installation is subject to these regulations if they undertake any projects that deal with or involve any asbestos containing materials. None of the installation's operating projects underway at the time of this review deal with or involve asbestos containing material. Therefore, the above regulations were not cited in the operating permit. If the installation should undertake any construction or demolition projects in the future that deal with or involve any asbestos containing materials, the installation must follow all of the applicable requirements of the above rules related to that specific project.

Compliance Assurance Monitoring (CAM) Applicability
40 CFR Part 64, Compliance Assurance Monitoring (CAM)
The CAM rule applies to each pollutant specific emission unit that:
• Is subject to an emission limitation or standard, and
• Uses a control device to achieve compliance, and
• Has pre-control emissions that exceed or are equivalent to the major source threshold.
40 CFR Part 64 is not applicable because the relevant emission limitation in Subpart XX was promulgated after November 15, 1990 [§64.2(b)(2)(i)].

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>CO</td>
<td>35.11</td>
</tr>
<tr>
<td>HAP (total)</td>
<td>101.86</td>
</tr>
<tr>
<td>NOₓ</td>
<td>14.04</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>0</td>
</tr>
<tr>
<td>PM₂₅</td>
<td>0</td>
</tr>
<tr>
<td>SOₓ</td>
<td>0</td>
</tr>
<tr>
<td>VOC</td>
<td>1,952.25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Individual HAPs</th>
<th>Potential to Emit (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4 Trimethylpentane</td>
<td>15.67</td>
</tr>
<tr>
<td>Benzene</td>
<td>17.63</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1.96</td>
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<tr>
<td>Hexane</td>
<td>31.34</td>
</tr>
<tr>
<td>Toluene</td>
<td>25.46</td>
</tr>
<tr>
<td>Xylene</td>
<td>9.79</td>
</tr>
</tbody>
</table>

¹Each emission unit was evaluated at 8,760 hours of uncontrolled annual operation unless otherwise noted.
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 APCP'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 Part 70 Operating Permit for Magellan Pipeline Company, L.P. was placed on public notice on August 26, 2016, by the Missouri Department of Natural Resources (MDNR). Comments were received from Mr. Brian Adams of Springfield Air Quality Control and Mr. Robert Cheever of Region VII of the Environmental Protection Agency. The six comments are addressed in the order in which they appear within the letters.

Brian Adams, Springfield Air Quality Control

Comment #: 1
I have been reviewing the Part 70 draft air permit for Magellan Pipe Co LLP (077-0116) and I have a comment on the units mentioned in the draft permit.

I believe that the units are incorrect that are shown on the installation description pages 3-4 for EU002, EU003, EU004, EU005, EU006, EU007, EU010 and EU011 for the large fuel storage tanks.

So for example EU002 says its fuel storage tank #796 capacity is 1.235 Mgal = 1,235 gallons unless it’s suppose to be in kgal (which btw this unit needs to be added on the Appx A page)
Or possibly 1,235 gallons = 1.235 Mgal. But isn’t it supposed to be a fuel storage tank capacity 1.235 MMgal (1000 times 1000 gallons = million gallons) = 1,235,000 gallons.

Because in Appx A (pg 32) it shows that Mgal are in 1000 (thousand) gallons but not in million gallons which is MMgal. I believe that these units should be in MMgal for the fuel storage tank capacity that are shown as Mgal. However Appx A does show correctly the combustion units for MMBtu = million British thermal units and for MMCF = million cubic feet. So MMgal definition should be added to Appx A as well.

Response to Comment:
The unit prefix labels and the acronym list were changed as necessary for consistency – “MM” for one million and “M” for one thousand.

Robert Cheever, Region VII

Comment #: 1
First, Permit Condition PW1 implements a voluntary limit on individual and combined hazardous air pollutants (HAPs). This draft permit condition, Permit Condition PW1, requires the permittee to calculate and record monthly and 12-month rolling total emissions of individual HAPs and combined HAPs and the permit condition indicates that the Air Pollution Control Program (MDNR) has reviewed and approved the custom tracking compliance demonstration worksheets. MDNR's customary practice is to attach examples of compliance determination worksheets and calculation methodology for public review and comment. The ability for public review and understanding of the compliance determination for synthetic minor emission limits is extremely important. EPA, in response to a petition on the Hu Honua Bioenergy Facility operating permit, granted the petitioners contention that the operating permit failed to ensure the enforceability as a practical matter because the permit was unclear whether all actual emissions were considered in determining compliance. Specifically, the permit failed to include emissions from malfunctions or
upset conditions, although the permit did address start-up and shutdown emissions. Additionally, the Environmental Protection Agency also granted the petitioners claim that, for purposes of determining the potential-to-emit (PTE) of a stationary source, the PTE shall encompass the maximum capacity of a stationary source to emit pollutants under its physical and operational design. Thus, emissions for all emission units that are part of the source's physical and operational design must be included in calculating PTE for purposes of determining individual and combined HAPs voluntary limit compliance, including emission units that have been designated as without limitations and any designated insignificant activities. The ability to review these compliance determination worksheets greatly assists in determining adherence to the EPA’s petition findings. Therefore, EPA recommends MDNR include referenced attachments of Magellan-Springfield Terminal's Individual and combined HAP compliance determination worksheets including the methodology Magellan-Springfield Terminal uses to calculate their HAPs in Permit Condition PW1.

Response to Comment:
The tracking worksheet used by Magellan contains eight sheets with interconnected formulas. It is not practical to include paper copies of each sheet, nor would they show the formulas used to calculate emissions. Air Program staff reviewed each sheet and formula and verified that each emission point was included and all emission factors were appropriate and the total sum of calculated emissions were correct. This worksheet is available to Air Program staff and Regional office inspectors, and to the public on request.

Comment #: 2
Second, Record keeping requirements 5) C) iii) and 5) C) iv), in Permit Condition 2, indicate the Director (defined as Director of Missouri Department of Natural Resources in 10 CSR 10-6.020) must approve appropriate alternate methods of measuring and calculating vapor pressure of other liquids. These requirements reference §60.116b (e)(3)(iii) and §60.116b (e)(3)(iv) respectively. However, §60.117b (b) stipulates that §60.116b (e)(3)(iii) shall be retained by the Administrator (defined as Administrator of the EPA or his authorized representative in §60.2) and not transferred to a State. Therefore, EPA recommends MDNR correct these record keeping requirements.

Additionally, §60.116b (b) requires the owner or operator of each storage vessel, with a capacity greater than or equal to 75 cubic meters (m3) that is used to store volatile organic liquids (VOL) for which construction, reconstruction or modification commenced after July 23, 1984, to keep readily accessible records showing the capacity of the storage vessel. This permittee has a storage tank #1511 (identified as an emission unit without limitations) that meets this requirement, however, Permit Condition 2 fails to include the requirement. Therefore, EPA recommends MDNR include all applicable emission units, subject to 40 CFR Part 60, Subpart Kb, in Permit Condition 2 and include all applicable requirements in Permit Condition 2 from 40 CFR Part 60, Subpart Kb.

Response to Comment:
The reference to Director in 5)C)(iii) was changed to Administrator.

As noted in the Statement of Basis, Subpart Kb does not apply to Tank #1511 because it stores only low vapor pressure liquid.
Comment #:  3
Third, Permit Condition 3 incorporates the applicable requirements derived from 40 CFR Part 60, Subpart XX: Standards of Performance for Bulk Gasoline Terminals. §60.502(c) requires that for each affected facility equipped with an existing vapor **processing** (emphasis added) system, the emissions to the atmosphere from the vapor collection system due to unloading of liquid product into gasoline tanktrucks are not to exceed 80 milligrams of total organic compounds per liter of gasoline loaded. Magellan-Springfield Terminal appears to have an existing vapor **processing** (emphasis added) system, a John Zink Vapor Combustion Unit, however, the draft operating permit on public notice does not include this emission limitation and the Statement of Basis provides no discussion as to why this emission limitation requirement was excluded. Therefore, EPA recommends MDNR include all applicable requirements in the operating permit or explain why excluded requirements are not applicable.

Additionally, 10CSR 10-6.065(6)(C)1C(I)(b) states that where the applicable requirement does not require periodic testing or instrumental or noninstrumental monitoring, then periodic monitoring sufficient to yield reliable data for the relevant time period shall be contained in the permit. EPA recommends MDNR include monitoring in the permit to assure continued compliance with the 35 milligrams of total organic compounds per liter of gasoline loaded and the 80 milligrams of total organic compounds per liter of gasoline loaded, emission limitations contained in Permit Condition 3.

Response to Comment:
The vapor combustion unit was upgraded after December 17, 1980, and is not an existing processing system. Therefore, the 35 mg/gal emission limit applies. Additional text was added to the Statement of Basis.

Comment #:  4
Fourth, Permit Condition 5 incorporates applicable storage tank requirements from 40 CFR Part 63, Subpart BBBBBB: National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities. The description banner for Permit Condition 5 includes a footnote with a reference to Table 1, however, there is no Table 1 in this draft operating permit. Also, the footnote states that Subpart Kb does not apply to these tanks because of their construction date. However, storage tank #1510 is identified in Permit Condition 2 as being subject to Subpart Kb, therefore EPA recommends MDNR correct these inconsistencies.

Additionally, the emission unit numbers shown in the banner to Permit Condition 5 do not match the emission unit numbers used by Magellan-Springfield Terminal in their application for a Part 70 operating permit. This difference adds an unnecessary level of potential confusion to the public review process and EPA recommends MDNR and Magellan-Springfield Terminal reach an agreement of the emission unit numbers for the storage tanks.

Finally, §63.11089 specifies the requirements the permittee must meet for equipment leak inspection for bulk gasoline, bulk plant, pipeline breakout stations and pipeline pumping stations. However, the draft requirements in Permit Condition 5 do not include leak inspection specifics, so
EPA recommends MDNR include all applicable requirements from 40 CFR Part 63, Subpart BBBBBB in Permit Condition 5.

Response to Comment:
The note in Permit Condition 5 was corrected to refer to Table 1 of Subpart BBBBBB and only to those tanks not subject to Subpart Kb.

In past practice, the emission unit labels in operating and construction permits bore no relation to emission inventory labels. This unnecessary duplication caused confusion and is no longer used. Emission unit labels in permits now match those in emission inventories. As new applications are received, the new labelling format is used.

Leak inspections are detailed under Plantwide Condition 2, which applies some parts of Subpart BBBBBB to both tanks and loading rack.

Comment #: 5
Fifth, the existing Intermediate State Permit to Operate issued to Magellan-Springfield Terminal on July 26, 2010, includes an annual VOC emissions summary; annual HAP emission summary; annual fugitive VOC emission summary; annual controlled VOC emission summary; and annual emissions summary from each individual storage tank and tank roof landing in the Statement of Basis. This Statement of Basis information greatly enhances the review of the draft permit and EPA suggests MDNR provide equivalent summaries in the Part 70 operating permit Statement of Basis.

Response to Comment:
These tables were included in OP2010-086 because the installation was under voluntary limits of 100 tpy for VOCs to be a synthetic minor source. Due to a variety of changes, the installation is now a major source. Emissions tracking, with all necessary details, is done on a custom worksheet, which is impractical to include in this document.
Public Notice Email to Applicant

Use the following text for the body of the public notice email. Include a pdf of the draft permit. The subject line should read –

Draft Part 70 Operating Permit for Magellan Pipeline Company L.P., Project No. 2015-01-046

The Air Pollution Control Program (APCP) has completed the preliminary review of your Part 70 operating permit. We are placing a public notice draft permit on the Department's web page at: http://www.dnr.mo.gov/env/apcp/PermitPublicNotices.htm. The public notice period will start on <insert date>, and will last for 30 calendar days.

We will accept comments regarding the draft permit postmarked on or before the closing date. It is very important that you read and understand this legal document. It is your responsibility to comply with this document. Please address comments or recommendations for changes to Michael Stansfield, P.E., Operating Permits Unit, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102.

A copy of this draft has also been sent to the U.S. EPA’s Region VII office in Lenexa, Kansas, for their review. The Region VII office is afforded, by law, oversight authority on any Title V permit which Missouri (or any of the other states in the region) may propose to issue. A public hearing may be held if interest is expressed by the public.

Should you have any questions, or wish clarification on any items in this draft permit, please contact Michael Stansfield at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your time and attention.
Public Notice Email to Affected States and Indian Tribes

Use the following text for the body of the public notice email. The subject line should read –

Affected States Review for Magellan Pipeline Company L.P.

In accordance with Missouri State Rule 10 CSR 10-6.065(6)(F)2. and the Clean Air Act this email is to notify you of public notice of the preliminary draft and request for comments for:

    Magellan Pipeline Company L.P., located in Brookline, MO 65619

    Project Number – 2015-01-046

A public notice draft permit will be available on the Department’s web page no later than November 25, 2014, at: http://www.dnr.mo.gov/env/apcp/PermitPublicNotices.htm. The public notice period will start on November 25, 2014, and will last for 30 calendar days.

You are invited to submit any relevant information, materials, and views in support of or in opposition to the draft operating permits by no later than December 26, 2014, to the attention of Michael J. Stansfield, Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO  65102. Comments may be emailed to apcppermitspn@dnr.mo.gov

Should you require further information or documentation on this matter, please contact the Operating Permits Unit 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. Thank you for your time and attention.
Enclosed with this letter is your Part 70 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 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you 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: 2015-01-046