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: OP2018-054
Expiration Date: JUN 1 2 2023
Installation ID: 109-0008
Project Number: 2015-06-007

Installation Name and Address
600 N. Main
Mount Vernon, MO 65712
Lawrence County

Parent Company's Name and Address
City of Mount Vernon
319 E. Dallas Street
Mount Vernon MO, 65712

Installation Description:
The facility 600 N. Main, known as the Former MO Rehabilitation Center was purchased by the City of Mount Vernon in 2014. The installation operates a 22.6 MMBtu/hr natural gas/fuel oil boiler, 41.16 MMtu/hr natural gas/fuel oil boiler and a 10.46 MMBtu/hr natural gas boiler. There are two stand-by electric generators, two distillate fuel storage tanks and a small paint booth primarily used for maintenance and upkeep of property. This facility is not on the list of named installations therefore fugitive emissions are not considered in the calculation of the potential-to-emit (PTE). Although the PTE qualifies the installation for a Basic State Operating Permit the permittee wishes to retain their Part 70 Permit status.

Prepared by
Jill Wade, P.E.
Operating Permit Unit

Director or Designee
Department of Natural Resources

JUN 1 2 2018
Effective Date
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I. Installation Equipment Listing

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

<table>
<thead>
<tr>
<th>Emission Unit #</th>
<th>Description of Emission Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-09</td>
<td>Cleaver Brooks #2 Steam Boiler (22.6 MMBtu)</td>
</tr>
<tr>
<td>EU-11</td>
<td>Kewanee #4 Steam Boiler (10.46 MMBtu)</td>
</tr>
<tr>
<td>EU-14</td>
<td>English High Pressure Boiler (41.16 MMBtu)</td>
</tr>
<tr>
<td>EU-13</td>
<td>Diesel Fuel Fired Emergency Generator</td>
</tr>
<tr>
<td>EU-16</td>
<td>Diesel Fuel Fired Emergency Generator</td>
</tr>
</tbody>
</table>

EMISSION UNITS WITHOUT SPECIFIC 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>Description of Emission Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>North #2 Fuel Oil Storage Tank (25,000 gallon AST)</td>
</tr>
<tr>
<td>South #2 Fuel Oil Storage Tank (25,000 gallon AST)</td>
</tr>
<tr>
<td>Paint Booth – Infirmary Building</td>
</tr>
</tbody>
</table>
II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect 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 PW001
10 CSR 10-6.060 Construction Permits Required
Construction Permit 092005-004 Issued September 7, 2005
Construction Permit 092005-004A, Issued October 3, 2005

Emission Limitation:
The permittee shall emit less than 250 tons of NO\textsubscript{x} from the entire installation in any consecutive 12-month period. [Special Condition 1.A]

Monitoring/Recordkeeping:
The permittee shall retain a copy of the Statement of Basis which includes calculations of the installation’s potential to emit showing that the NO\textsubscript{x} limit will never be exceeded.

Reporting:
1) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).
2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.
3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
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.

<table>
<thead>
<tr>
<th>Boilers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-09</td>
<td>#2 Steam Boiler: 22.6 MMBtu/hr; Natural Gas and Fuel Oil #2; Installed 1977; Manufacturer: Cleaver Brooks</td>
</tr>
<tr>
<td>EU-11</td>
<td>#4 Steam Boiler: 10.46 MMBtu/hr; Natural Gas; Installed 1991; Manufacturer: Kewanee</td>
</tr>
<tr>
<td>EU-14</td>
<td>High Pressure Boiler: 42.224 MMBtu/hr; Natural Gas and Fuel Oil #2; Installed 2006; Manufacturer/Model: English/351B-260</td>
</tr>
</tbody>
</table>

**Emission Limitation:**

1) The permittee shall not cause or permit emissions to be discharged into the atmosphere from any new source (EU-09, EU-11 and EU-14) any visible emissions with opacity greater than twenty percent.  
Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.

2) Exception: The permittee may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any sixty minutes air contaminants with an opacity up to sixty percent.

**Monitoring:**

1) The permittee shall conduct visible emissions observations on this emission unit using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.

2) The following monitoring schedule must be maintained:
   a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
   b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

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

**Record Keeping:**
1) The permittee shall maintain records of all observation results (see Attachment A), noting:
   a) Whether any air emissions (except for water vapor) were visible from the emission units,
   b) All emission units from which visible emissions occurred, and
   c) Whether the visible emissions were normal for the process.
2) The permittee shall maintain records of any equipment malfunctions. (see Attachment C)
3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment B)
4) Attachments A, B and C, contain logs including these record keeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5) These records shall be made available immediately for inspection to Department of Natural Resources’ personnel upon request.
6) All records shall be maintained for five years.

**Reporting:**
1) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).
2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.
3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION 002
10 CSR 10-6.261 Control of Sulfur Dioxide Emissions\(^1\)
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds\(^2\)

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-09</td>
<td>#2 Steam Boiler: 22.6 MMBtu/hr; Natural Gas and Fuel Oil #2; Installed 1997; Manufacturer: Cleaver Brooks</td>
</tr>
</tbody>
</table>

**Emission Limitation:**
1) The permittee shall emit no more than eight (8) pounds of sulfur dioxide per million BTUs actual heat input averaged over a three-hour period

**Operational Limitation/Equipment Specifications:**
The emission units shall be limited to burning natural gas or fuel oil with sulfur content less than 0.5%.

**Monitoring/Recordkeeping/Reporting:**
1) The permittee shall determine compliance using fuel delivery records, fuel sampling and analysis, performance tests, continuous emission monitoring, or other compliance methods approved by the staff director and the U.S. Environmental Protection agency and incorporated into the state implementation plan.
2) The permittee must report any excess emissions other than startup, shutdown and malfunction excess emissions to the staff director for each calendar quarter within thirty (30) days following the end of the quarter. In all cases, the notification must be a written report and must include, at a minimum, the following:
   a) Name and location of source;
   b) Name and telephone number of person responsible for the source;
   c) Identity and description of the equipment involved;
   d) Time and duration of the period of excess emissions;
   e) Type of activity;
   f) Estimate of the magnitude of the excess emissions expressed in the units of the applicable emission control regulation and the operating data and calculations used in estimating the magnitude;
   g) Measures taken to mitigate the extent and duration of the excess emissions; and
   h) Measures taken to remedy the situation which cause the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
3) The permittee must maintain a list of modifications to the source’s operating procedures or other routine procedures instituted to prevent or minimize the occurrence of any excess emissions.

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\(^1\) This regulation has not yet been adopted into Missouri’s SIP; therefore, this regulation is a state only requirement. Upon adoption into Missouri’s SIP, this regulation will be both a state and federal requirement.
\(^2\) This regulation was rescinded by the State of Missouri on November 30, 2015. The regulation remains in this operating permit as it is contained in Missouri’s SIP and remains an applicable federal requirement. This is a federal only requirement. This permit condition will no longer be applicable when EPA takes final action to incorporate 10 CSR 10-6.261 in Missouri’s SIP in place of 10 CSR 10-6.260. No action is required on the part of the permittee to remove this permit condition from this operating permit upon the removal of 10 CSR 10-6.260 from the Missouri SIP.
4) The permittee must maintain a record of data, calculations, results, records and reports from any performance test, continuous emission monitoring, fuel deliveries, and/or fuel sampling tests.

5) The permittee must maintain a record of any applicable monitoring data, performance evaluations, calibration checks, monitoring system and device performance tests, and any adjustments and maintenance performed on these systems or devices.

6) Owners or operators of sources using fuel delivery records for compliance must also maintain the fuel supplier certification information to certify all fuel deliveries. Bills of lading and/or other fuel delivery documentation containing the following information for all fuel purchases or deliveries are deemed acceptable to comply with the requirements of this rule:
   a) The name, address, and contact information of the fuel supplier;
   b) The type of fuel;
   c) The sulfur content or maximum sulfur content expressed in percent sulfur by weight or in ppm sulfur; and
   d) The heating value of the fuel.

7) Owners or operators of sources using fuel sampling and analysis for compliance must also follow the requirements in 10 CSR 10-6.261(5)(D).

8) Owners or operators of sources using performance testing for compliance must also follow the requirements in 10 CSR 10-6.261(5)(A).

9) All required reports and records must be retained on-site for a minimum of five (5) years and made available within five (5) business days upon written or electronic request by the director.

10) The permittee must furnish the director all data necessary to determine compliance status.

11) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).

12) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.

13) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION 003
10 CSR 10-6.070 New Source Performance Standards
40 CFR Part 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

Boilers

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-11</td>
<td>#4 Steam Boiler: 10.46 MMBtu/hr; Natural Gas; Installed 1991; Manufacturer: Kewanee</td>
</tr>
<tr>
<td>EU-14</td>
<td>High Pressure Boiler: 41.16 MMBtu/hr; Natural Gas and Fuel Oil #2; Installed 2006; Manufacturer/Model: English/351B-260</td>
</tr>
</tbody>
</table>

Emission Limitations:
1) The permittee shall not combust oil in EU-11 that contains greater than 0.5 weight percent sulfur. [§60.42c(d)] (The fuel sulfur limitation for EU-14 is located in Permit Condition 004)
2) The permittee has elected to demonstrate compliance with the fuel oil sulfur limits based on a certification from the fuel supplier. [§60.42c(h)(1)]
3) The fuel oil sulfur limit applies at all times, including periods of startup, shutdown and malfunction. [§60.42c(i)]

Monitoring:
The monitoring requirements of §60.46c do not apply to facilities where the owner or operator demonstrates compliance with the SO₂ standards based on fuel supplier certification. Therefore, there are no further monitoring requirements. [§60.46c(e)]

Record Keeping/Reporting:
1) The permittee shall keep records and submit reports as required including the following information, as applicable: [§60.48c(e)]
   a) Calendar dates covered in the reporting period. [§60.48c(e)(1)]
   b) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under §60.48c(f)(1). [§60.48c(e)(11)]
      i. Fuel supplier certification of distillate oil shall include the following information: [§60.48c(f)(1)]
         1. The name of the oil supplier; and [§60.48c(f)(1)(i)]
         2. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. [§60.48c(f)(1)(ii)]
   c) In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the responsible official that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. [§60.48c(e)(11)]
2) The permittee shall record and maintain records of the amounts of each fuel combusted during each day. [§60.48c(g)]
3) All records shall be maintained for five years and shall be made available immediately for inspection to the Department of Natural Resources’ personnel upon request.
4) The reporting period for the reports required under subpart Dc is each six-month period. All reports shall be submitted to the MDNR and shall be postmarked by the 30th day following the end of the reporting period. [§60.48c(i)]
5) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).

6) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.

7) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.

PERMIT CONDITION 004
10 CSR 10-6.060 Construction Permits Required
Construction Permit 092005-004, Issued September 7, 2002
Construction Permit 092005-004A, Issued October 3, 2005

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-14</td>
<td>High Pressure Boiler: 42.224 MMBtu/hr; Natural Gas and Fuel Oil #2; Installed 2006; Manufacturer/Model: English/351B-260</td>
</tr>
</tbody>
</table>

**Operation Limitation/Equipment Specifications:**
1) The sulfur content of the fuel to be used in EU-14 shall not exceed 0.05% by weight. The permittee shall obtain the sulfur content of the fuel oil for each fuel oil delivery from the fuel vendors or conduct a fuel analysis to evaluate the typical sulfur content weight percent of the fuel oil. [Special Condition 3.A]
2) The permittee shall control emissions from EU-14 using low NOx burners and flue gas recirculation as specified in the permit application. The low NOx burners and flue gas recirculation shall be operated and maintained in accordance with the manufacturer’s specifications. [Special Condition 2.A]

**Monitoring/Recordkeeping:**
1) The permittee shall maintain an operating and maintenance log for the low NOx burners and flue gas recirculation which shall include the following: [Special Condition 2.B]
   a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
   b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
2) All records, including the fuel consumption records and statement shall be kept on-site for five (5) years and shall be made immediately available to the Missouri Department of Natural Resources’ personnel upon request. [Special Condition 3.A]

**Reporting:**
1) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).
2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.

3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.

PERMIT CONDITION 005
10 CSR 10-6.070 New Source Performance Regulations
40 CFR Part 60 Subpart III Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-16</td>
<td>Diesel Fuel Fired Emergency Generator; Installed 2008; 16 cylinder, 2,937 HP</td>
</tr>
</tbody>
</table>

Emission Limitations:

1) The permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in §60.4205 according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, over the entire life of the engine. In addition, the permittee may only change those settings that are permitted by the manufacturer. The permittee must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply. [§60.4206 & 60.4211(a)]

2) The permittee of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new non-road CI engines in (Table 1), for all pollutants. [§60.4205(b)]

<table>
<thead>
<tr>
<th>HC</th>
<th>NOx</th>
<th>CO</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3 g/KW-hr</td>
<td>9.2 g/KW-hr</td>
<td>11.4 g/KW-hr</td>
<td>0.54 g/KW-hr</td>
</tr>
<tr>
<td>1.0 g/HP-hr</td>
<td>6.9 g/HP-hr</td>
<td>8.5 g/HP-hr</td>
<td>0.40 g/HP-hr</td>
</tr>
</tbody>
</table>

3) Beginning October 1, 2007, the permittee of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a). [§60.4207(a)]

4) Beginning October 1, 2010, the permittee of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. [§60.4207(b)]

5) The permittee of pre-2011 model year stationary CI ICE subject to this subpart may petition the Director for approval to use remaining non-compliant fuel that does not meet the fuel requirements of paragraphs (a) and (b) of this section beyond the dates required for the purpose of using up existing fuel inventories. If approved, the petition will be valid for a period of up to 6 months. If additional time is needed, the owner or operator is required to submit a new petition to the Administrator. [§60.4207(c)]

6) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks
and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited. [§60.4211(e)]

**Monitoring/Record Keeping:**
1) The permittee must install a non-resettable hour meter prior to startup of the engine. [§60.4209(a)]
2) The permittee of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in §60.4204, must install the diesel particulate filter with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. [§60.4209(b)]
3) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the permittee must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. [§60.4214(c)]
4) The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples, or certifications that verify the fuel type and sulfur content will be acceptable.
5) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
6) All records shall be maintained for five years.

**Reporting:**
1) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).
2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.
3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION 006
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations
40 CFR Part 63 Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for
Stationary Reciprocating Internal Combustion Engines

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-13</td>
<td>Diesel Fuel Fired Emergency Generator; Installed 1999; 2,682 HP</td>
</tr>
</tbody>
</table>

**Operational Limitation:**

1) The permittee shall operate the emergency generator according to the requirements in §63.6640(f)(1) through (3). In order for the engine to be considered an emergency stationary RICE under MACT ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in nonemergency situations for 50 hours per year, as described in §63.6640(f)(1) through (3), is prohibited. If the permittee does not operate the engine according to the requirements in §63.6640(f)(1) through (3), the engine will not be considered an emergency engine under MACT ZZZZ and shall meet all requirements for non-emergency engines. ([§63.6640(f)]

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

   b) The permittee may operate the emergency stationary RICE for any combination of the purposes specified in §63.6640(f)(2)(i) through (iii) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by §63.6640(f)(3) counts as part of the 100 hours per calendar year allowed by this paragraph. ([§63.6640(f)(2)]

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

   ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP–002–3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP– 002–3. ([§63.6640(f)(2)(ii)]

   iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of five percent or greater below standard voltage or frequency. ([§63.6640(f)(2)(iii)]

   c) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in §63.6640(f)(2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to
generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [§63.6640(f)(3)]

**Reporting:**

1) The permittee shall report any exceedance of any of the terms imposed by this permit condition, or any malfunction which could cause an exceedance of any of the terms imposed by this permit condition, no later than ten days after the exceedance or event causing the exceedance. The permittee shall submit these reports to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219.

2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and the annual compliance certification (ACC). The permittee shall submit the reports to both the EPA Region VII and Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.

**PERMIT CONDITION 007**

10 CSR 10-6.261 Control of Sulfur Dioxide Emissions

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-13</td>
<td>Diesel Fuel Fired Emergency Generator; Installed 1999; 2,682 HP</td>
</tr>
</tbody>
</table>

**Emission Limitation:**

Emissions from any new source (EU-127) operation shall not contain more 8,509 parts per million (ppm) of sulfur dioxide for residual fuel and 8,812 parts per million (ppm) of sulfur dioxide for distillate fuel.

**Monitoring/Recordkeeping/Reporting:**

1) The permittee shall determine compliance using fuel delivery records, fuel sampling and analysis, performance tests, continuous emission monitoring, or other compliance methods approved by the staff director and the U.S. Environmental Protection agency and incorporated into the state implementation plan.

2) The permittee must report any excess emissions other than startup, shutdown and malfunction excess emissions to the staff director for each calendar quarter within thirty (30) days following the end of the quarter. In all cases, the notification must be a written report and must include, at a minimum, the following:
   a) Name and location of source;
   b) Name and telephone number of person responsible for the source;
   c) Identity and description of the equipment involved;
   d) Time and duration of the period of excess emissions;
   e) Type of activity;

---

3 This regulation has not yet been adopted into Missouri’s SIP; therefore, this regulation is a state only requirement. Upon adoption into Missouri’s SIP, this regulation will be both a state and federal requirement.
f) Estimate of the magnitude of the excess emissions expressed in the units of the applicable emission control regulation and the operating data and calculations used in estimating the magnitude;
g) Measures taken to mitigate the extent and duration of the excess emissions; and
h) Measures taken to remedy the situation which cause the excess emissions and the measures taken or planned to prevent the recurrence of these situations.

3) The permittee must maintain a list of modifications to the source’s operating procedures or other routine procedures instituted to prevent or minimize the occurrence of any excess emissions.

4) The permittee must maintain a record of data, calculations, results, records and reports from any performance test, continuous emission monitoring, fuel deliveries, and/or fuel sampling tests.

5) The permittee must maintain a record of any applicable monitoring data, performance evaluations, calibration checks, monitoring system and device performance tests, and any adjustments and maintenance performed on these systems or devices.

6) Owners or operators of sources using fuel delivery records for compliance must also maintain the fuel supplier certification information to certify all fuel deliveries. Bills of lading and/or other fuel deliver documentation containing the following information for all fuel purchases or deliveries are deemed acceptable to comply with the requirements of this rule:
   a) The name, address, and contact information of the fuel supplier;
   b) The type of fuel;
   c) The sulfur content or maximum sulfur content expressed in percent sulfur by weight or in ppm sulfur; and
   d) The heating value of the fuel.

7) Owners or operators of sources using fuel sampling and analysis for compliance must also follow the requirements in 10 CSR 10-6.261(5)(D).

8) Owners or operators of sources using performance testing for compliance must also follow the requirements in 10 CSR 10-6.261(5)(A)

9) All required reports and records must be retained on-site for a minimum of five (5) years and made available within five (5) business days upon written or electronic request by the director.

10) The permittee must furnish the director all data necessary to determine compliance status.

11) The permittee shall report any exceedance of any of the terms imposed by this permit, or any malfunction which could cause an exceedance of any of the terms imposed by this permit, no later than ten days after the exceedance or event causing the exceedance (unless otherwise specified in the specific condition).

12) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and annual compliance certification.

13) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION 008
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-16</td>
<td>Diesel Fuel Fired Emergency Generator; Installed 2008; 16 cylinder, 2,937 HP</td>
</tr>
<tr>
<td>EU-13</td>
<td>Diesel Fuel Fired Emergency Generator; Installed 1999; 2,682 HP</td>
</tr>
</tbody>
</table>

**Emission Limitations:**
The permittee shall not cause or permit the emission of gases into the atmosphere containing more than five hundred parts per million by volume (500 ppmv) of sulfur dioxide or more than thirty-five milligrams per cubic meter (35 mg/cubic meter) of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three (3)-hour time period.

**Monitoring/Recordkeeping:**
These units shall demonstrate compliance with this regulations through compliance with Permit Condition 005 (for EU-16) and with Permit Condition 007 (for EU-13).

**Reporting:**
1) The permittee shall report any exceedance of any of the terms imposed by this permit condition, or any malfunction which could cause an exceedance of any of the terms imposed by this permit condition, no later than ten days after the exceedance or event causing the exceedance. The permittee shall submit these reports to EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219.
2) The permittee shall report any deviations from the monitoring, recordkeeping, and reporting requirements of this permit condition in the semi-annual monitoring report and the annual compliance certification (ACC). The permittee shall submit the reports to both the EPA Region VII and Air Pollution Control Program’s Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102/AirComplianceReporting@dnr.mo.gov.

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4 This regulation was rescinded by the State of Missouri on November 30, 2015. The regulation remains in this operating permit as it is contained in Missouri's SIP and remains an applicable federal requirement. This is a federal only requirement. This permit condition will no longer be applicable when EPA takes final action to incorporate 10 CSR 10-6.261 in Missouri's SIP in place of 10 CSR 10-6.260. No action is required on the part of the permittee to remove this permit condition from this operating permit upon the removal of 10 CSR 10-6.260 from the Missouri SIP.
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) Estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
   i) Measures taken to mitigate the extent and duration of the excess emissions; and
   j) Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.

2) The permittee shall submit the paragraph 1 information to the director in writing at least ten days prior to any maintenance, start-up or shutdown activity which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, notice shall be given as soon as practicable prior to the activity.

3) Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
4) Nothing in this rule shall be construed to limit the authority of the director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
5) Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

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

10 CSR 10-6.065 Operating Permits
The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. The permittee shall retain the most current operating permit issued to this installation on-site. The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request.

10 CSR 10-6.110 Reporting of Emission Data, Emission Fees and Process Information
1) The permittee shall submit a Full Emissions Report either electronically via MoEIS, which requires Form 1.0 signed by an authorized company representative, or on Emission Inventory Questionnaire (EIQ) paper forms on the frequency specified in this rule and in accordance with the requirements outlined in this rule. Alternate methods of reporting the emissions, such as spreadsheet file, can be submitted for approval by the director.
2) Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.
3) The permittee shall 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.

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 a State Only permit requirement.
No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven
volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour. This odor evaluation shall be taken at a location outside of the installation’s property boundary.

**10 CSR 10-6.170
Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin**

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

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

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

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

3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
   a) Applicable monitoring or testing methods, cited in:
      i) 10 CSR 10-6.030, “Sampling Methods for Air Pollution Sources”;
      ii) 10 CSR 10-6.040, “Reference Methods”;
      iii) 10 CSR 10-6.070, “New Source Performance Standards”;
      iv) 10 CSR 10-6.080, “Emission Standards for Hazardous Air Pollutants”; or
   b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

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

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

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

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

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

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

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


This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed. If a timely and complete application for a permit renewal is submitted, but the Air Pollution Control Program fails to take final action to issue or deny the renewal permit before the end of the term of this permit, this permit shall not expire until the renewal permit is issued or denied.

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

1) Record Keeping
   a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
   b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources’ personnel upon request.

2) Reporting
   a) All reports shall be submitted to the Air Pollution Control Program, Compliance and Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
   b) The permittee shall submit a report of all required monitoring by:
      i) 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.
   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)

1) 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:
   a) June 21, 1999;
   b) Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
   c) 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 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)1.1 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, Compliance and 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, Compliance and 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, Compliance and 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, Compliance and Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219. This 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 Max Springer, City Administrator. 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 shall be reopened for cause if:

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

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) MoDNR 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
Visible Emission Observations

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

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

**Method 9 Opacity Emissions Observations**

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

<table>
<thead>
<tr>
<th>Hour</th>
<th>Minute</th>
<th>Seconds</th>
<th>Steam Plume (check if applicable)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
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<td>0</td>
<td></td>
<td>0 15 30 45</td>
<td>Attached Detached</td>
<td></td>
</tr>
<tr>
<td>1</td>
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<tr>
<td>18</td>
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</tr>
</tbody>
</table>

**SUMMARY OF AVERAGE OPACITY**

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

Readings ranged from ________ to ________ % opacity.

Was the emission unit in compliance at the time of evaluation? **YES**  **NO**  Signature of Observer
### Attachment C
Inspection/Maintenance/Repair/Malfunction Log

Emission Unit # ________________________________

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

The facility 600 N. Main, known as the Former MO Rehabilitation Center was purchased by the City of Mount Vernon in 2014. The installation operates a 22.6 MMBtu/hr natural gas/fuel oil boiler, 41.16 MMBtu/hr natural gas/fuel oil boiler and a 10.46 MMBtu/hr natural gas boiler. There are two stand-by electric generators, two distillate fuel storage tanks and a small paint booth primarily used for maintenance and upkeep of property. PTE from construction permit 0499-015 has NOx emissions as 1616.74 tons per year due to the combustion of diesel fuel in 4 boilers and 9 emergency generators. The facility currently operates three boilers and 2 emergency generators which may somewhat account for the now lower PTE, however it is suspected that emission factors used to calculate PTE for construction permit 0499-015 may have changed over time as well. Although the current PTE qualifies the installation for a Basic State Operating Permit the permittee wishes to retain Part 70 Permit status. This facility is not on the list of named installations therefore fugitive emissions are not considered in the calculation of the potential-to-emit (PTE).

**Updated Potential to Emit for the Installation**

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Potential to Emit (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>7.12</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>6.62</td>
</tr>
<tr>
<td>Sulfur Oxides (SOx)</td>
<td>16.73</td>
</tr>
<tr>
<td>Nitrogen Oxides (NOx)</td>
<td>89.84</td>
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<tr>
<td>Volatile Organic Compounds</td>
<td>17.88</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>32.44</td>
</tr>
<tr>
<td>Hazardous Air Pollutants (HAP's)</td>
<td>0.59</td>
</tr>
</tbody>
</table>

Each emission unit was evaluated at 8,760 hours of uncontrolled annual operation except the emergency generators which were calculated assuming 500 hours of operation. When two different fuels are possible the emissions from the fuel that are greater are included in the PTE. All emission factors were taken from WebFIRE except for the paint booth which used the emission factor calculated on the VOC worksheet from the 2014 EIQ.

**Potential to Emit Calculations:**

<table>
<thead>
<tr>
<th>EU</th>
<th>Description</th>
<th>SCC</th>
<th>MHUDR</th>
<th>units</th>
<th>fuel type</th>
<th>Pollutant</th>
<th>EF</th>
<th>Source</th>
<th>PTE (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-1</td>
<td>North #2 FO Storage Tank</td>
<td>40400301</td>
<td>0.648</td>
<td>Mgal/hr</td>
<td>VOC</td>
<td>PM10</td>
<td>2.618</td>
<td>TANKS</td>
<td>7.431</td>
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<tr>
<td></td>
<td></td>
<td>40400302</td>
<td>0.6</td>
<td>Mgal/hr</td>
<td>VOC</td>
<td>PM2.5</td>
<td>0.0187</td>
<td>TANKS</td>
<td>0.049</td>
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<tr>
<td>EP-2</td>
<td>South #2 FO Storage Tank</td>
<td>40400301</td>
<td>0.6</td>
<td>Mgal/hr</td>
<td>VOC</td>
<td>SOx</td>
<td>5.337</td>
<td>TANKS</td>
<td>6.880</td>
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<tr>
<td></td>
<td></td>
<td>40400302</td>
<td>0.6</td>
<td>Mgal/hr</td>
<td>VOC</td>
<td>NOx</td>
<td>7.385</td>
<td>TANKS</td>
<td>6.880</td>
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<tr>
<td></td>
<td></td>
<td>40400301</td>
<td>0.6</td>
<td>Mgal/hr</td>
<td>VOC</td>
<td>CO</td>
<td>84</td>
<td>TANKS</td>
<td>7.910</td>
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<tr>
<td>EP-09</td>
<td>Cleaver Brooks Steam Boiler #2</td>
<td>10300501</td>
<td>0.165</td>
<td>Mgal/hr</td>
<td>fuel oil</td>
<td>PM10</td>
<td>2.38</td>
<td>FIRE</td>
<td>1.720</td>
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<tr>
<td></td>
<td></td>
<td>10300501</td>
<td>0.165</td>
<td>Mgal/hr</td>
<td>fuel oil</td>
<td>PM2.5</td>
<td>2.13</td>
<td>FIRE</td>
<td>1.539</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10300501</td>
<td>0.165</td>
<td>Mgal/hr</td>
<td>fuel oil</td>
<td>SOx</td>
<td>7.385</td>
<td>FIRE</td>
<td>5.337</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10300501</td>
<td>0.165</td>
<td>Mgal/hr</td>
<td>fuel oil</td>
<td>NOx</td>
<td>24</td>
<td>FIRE</td>
<td>17.345</td>
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<tr>
<td></td>
<td></td>
<td>10300501</td>
<td>0.165</td>
<td>Mgal/hr</td>
<td>fuel oil</td>
<td>VOC</td>
<td>0.556</td>
<td>FIRE</td>
<td>0.402</td>
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<tr>
<td></td>
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<td>10300501</td>
<td>0.165</td>
<td>Mgal/hr</td>
<td>fuel oil</td>
<td>HAPs</td>
<td>0.222</td>
<td>FIRE</td>
<td>0.160</td>
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<tr>
<td>EP-09</td>
<td>Cleaver Brooks Steam Boiler #2</td>
<td>10300602</td>
<td>0.0215</td>
<td>MMCF/hr</td>
<td>NG</td>
<td>PM10</td>
<td>7.6</td>
<td>FIRE</td>
<td>0.716</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10300602</td>
<td>0.0215</td>
<td>MMCF/hr</td>
<td>NG</td>
<td>PM2.5</td>
<td>7.6</td>
<td>FIRE</td>
<td>0.716</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10300602</td>
<td>0.0215</td>
<td>MMCF/hr</td>
<td>NG</td>
<td>SOx</td>
<td>0.6</td>
<td>FIRE</td>
<td>0.057</td>
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<tr>
<td></td>
<td></td>
<td>10300602</td>
<td>0.0215</td>
<td>MMCF/hr</td>
<td>NG</td>
<td>NOx</td>
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<td>FIRE</td>
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<tr>
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<td>10300602</td>
<td>0.0215</td>
<td>MMCF/hr</td>
<td>NG</td>
<td>VOC</td>
<td>5.5</td>
<td>FIRE</td>
<td>0.518</td>
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</table>
### Reported Air Pollutant Emissions, tons per year

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<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter ≤ Ten Microns (PM₁₀)</td>
<td>0.04</td>
<td>0.06</td>
<td>0.14</td>
<td>0.06</td>
<td>0.04</td>
</tr>
<tr>
<td>Particulate Matter ≤ 2.5 Microns (PM₂.₅)</td>
<td>0.04</td>
<td>0.06</td>
<td>0.14</td>
<td>0.06</td>
<td>0.04</td>
</tr>
<tr>
<td>Sulfur Oxides (SO₂)</td>
<td>0.003</td>
<td>0.01</td>
<td>0.03</td>
<td>0.01</td>
<td>0.004</td>
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<tr>
<td>Nitrogen Oxides (NOₓ)</td>
<td>0.51</td>
<td>0.8</td>
<td>1.45</td>
<td>0.85</td>
<td>0.59</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>0.43</td>
<td>0.67</td>
<td>1.33</td>
<td>0.71</td>
<td>0.49</td>
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<tr>
<td>Ammonia (NH₃)</td>
<td>0.003</td>
<td>0.004</td>
<td>0.01</td>
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<td>0.003</td>
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<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0.03</td>
<td>0.04</td>
<td>0.13</td>
<td>0.05</td>
<td>0.03</td>
</tr>
</tbody>
</table>

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

1) Part 70 Operating Permit Application, received June 2, 2015;
2) 2014 Emissions Inventory Questionnaire, received April 13, 2015; and
4) WebFIRE;
5) Construction Permit 092005-004; and
6) Construction Permit Amendment 092005-004A

**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.

**Construction Permit History**
The following construction permits have been issued to this installation:

Construction Permit 0577-006, Issued May 2, 1997 authorized the installation of an infectious waste incinerator. This incinerator is no longer located at this site.

Construction Permit 0499-015, Issued April 16, 1999 authorized the installation of a 2,000 kilowatt emergency diesel generator.

Construction Permit 092005-004, Issued September 7, 2002 authorized the construction of a 42.084 MMBtu/hr duel-fired boiler (EP-14). The permit included a special condition limiting the facility to 250 tons NOₓ in any consecutive 12-month period. The PTE for NOₓ for the facility is 89.84 tons/year.
Since the facility can never exceed the 250 ton NO\textsubscript{x} limit the monitoring and recordkeeping was not included in the operating permit.

Amendment to Construction Permit 092005-004, Issued October 3, 2005 allowed the change in boiler type permitted from a Cleaver-Brooks Unit to an English High Pressure Steam Boiler.

**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, and 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* are not applicable to the two fuel oil storage tanks because they were constructed after the applicability dates.


The fuel oil storage tanks at this facility are not subject to Subpart Kb because they do not store a liquid with a maximum true vapor pressure less than 15.0 kPa.

40 CFR Part 60 Subpart Da, *Standards of Performance for Fossil-Fuel-Fired Steam Generators*

This regulation does not apply to the boilers because they have a maximum heat input rate less than 250 MMBtu/hr.

40 CFR Part 60 Subpart Db, *Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units*

This regulation does not apply to the boilers because they have a maximum heat input rate less than 100 MMBtu/hr.

40 CFR Part 60 Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*

EU-11 and EU-14 are subject to this regulation. Since the fuel sulfur limit in Construction Permit 092005-004/092005-004A is more stringent than Dc, the NSPS sulfur limit was not applied to EU-14.

EU-09 is not subject to this regulation because it was constructed in 1977 which is prior to the applicability date of June 9, 1989.

40 CFR Part 60 Subpart IIII, *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*

EU-16 was installed in 2008 and therefore is subject to this rule. EU-13 was installed in 1999 which is before the applicability date of this subpart, therefore it is not subject.

40 CFR Part 60 Subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*

EU-16 and EU-13 are not subject to this regulation because they are both compression ignition RICE units. EU-13 was installed before the applicability date of this Subpart.

**Maximum Achievable Control Technology (MACT) Applicability**
This subpart is not applicable to the boilers at this installation because it is not a major source of HAPs.

40 CFR Part 63 Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, Institutional Boilers Area Sources
This regulation does not apply to Emission Units EU-09, EU-11 and EU-14, the boilers, because they are “gas fired boilers” as defined under the Subpart:

Gas-fired boiler includes any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.

According to §63.11193(e) these boilers are not subject to Subpart JJJJJJ.

40 CFR Part 63 Subpart ZZZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
This rule applies to EU-16, however this unit demonstrates compliance with the rule by complying with 40 CFR Part 60 Subpart IIII which is allowed under §63.6590(c). EU-13 is an existing institutional emergency stationary RICE located at an area source of HAPs and is therefore not subject to this regulation according to §63.6585(f)(3). This unit is required to operate under the definition of an emergency stationary RICE in §63.6675, which includes operating according to the provisions specified in §63.6640(f). These provisions are included in the operating permit under Permit Condition 006.

40 CFR Part 63 Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources
This subpart does not apply to EU-15 Paint Booth – Infirmary Building because it does not perform paint stripping using MeCl and all painting activities meet the definition of facility maintenance.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability
In the permit application and according to Air Pollution Control Program 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 none of the pollutant-specific emission units uses a control device to achieve compliance with a relevant standard.

**Other Regulatory Determinations**

**10 CSR 10-6.405, Restriction of Particulate Matter Emissions from Fuel Burning Equipment Used for Indirect Heating**

This regulation was not applied in the permit to the Boilers (EU-09, EU-11 and EU-14) because according to 10 CSR 10-6.405(1)(C), “an emission unit fuel by landfill gas, or fuel oils #1 through 6 (with less than 1.2% sulfur content) would be deemed in compliance.”

**10 CSR 10-6.261, Control of Sulfur Dioxide Emissions**

This regulation does not apply to EU-11 or EU-14 because they are subject to NSPS Subpart Dc and exempted from this rule per 10 CSR 10-6.261(1)(C)1. EU-14 is also exempted per 10 CSR 10-6.261(1)(C)2., because there is a federally enforceable limit in Construction Permit 092005-004/092005-004A that limits the sulfur content of the fuel in the unit 0.05 weight percent or less. The emergency generators, EU-16 is subject to the fuel sulfur standards of NSPS III and also exempt from this rule per 10 CSR 10-6.261(1)(C)1. This rule applies to EU-13 - Emergency Generator and EU-09 - #2 Steam Boiler. The following calculation demonstrates that when limited to using a fuel oil with a sulfur content of less than 0.5%, EU-09 unit will always be in compliance.

Emission Limit = 8 lb/MMBtu

Emission Rate when burning fuel oil with sulfur content 0.5% =

\[
\frac{\text{MHDR (Mgal/hr) x (SO}_2\text{ EF) / (Max. Heat Input Rate (MMBtu/hr))}}{22.6 \text{ MMBtu/hr}} = 0.52 \text{ lb SO}_2/\text{MMBtu} < 8 \text{ lb/MMBtu}
\]

**10 CSR 10-6.400, Restriction of Emission of Particulate Matter from Industrial Processes**

This rule does not apply to the Paint Booth-Infirmary Building (EP-15) because the unit utilizes panel filters providing a PM$_{10}$ control efficiency of 95% and therefore exempt by 10 CSR 10-6.400(1)(B)14.

**NOTE:** In order to maintain this exemption the permittee must operate and maintain the panel filter system in accordance with the manufacturers’ specifications or comparable maintenance procedures that meet or exceed manufacturers’ specifications in order to keep this exemption. The permittee should keep a copy of the manufacturers’ specifications on site and be prepared to make available to DNR personnel upon request.

**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
The draft Part 70 Operating Permit for 600 N. Main (Former MO Rehabilitation Center) (109-0008) was placed on public notice as of April 27, 2018 for a 30-day comment period. The public notice was published on the Department of Natural Resources’ Air Pollution Control Program’s web page at: http://www.dnr.mo.gov/env/apecp/PermitPublicNotices.htm.

No comments were received during the public notice period.
Mr. Max Springer
600 N. Main
319 E. Dallas Street
Mount Vernon, MO 65712

Re: Part 70 Operating Permit
Installation ID: 109-0008, Permit Number: OP2018-054

Dear Mr. Springer:

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:jwj

Enclosures

c: PAMS File: 2015-06-007

Recycled paper