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: OP2018-067  
Expiration Date: AUG 06 2023  
Installation ID: 101-0046  
Project Number: 2018-01-012

Installation Name and Address
Show-Me Regional Landfill, LLC  
230 Southeast 421  
Warrensburg, MO 64093  
Johnson County

Parent Company's Name and Address
Show-Me Regional Landfill, LLC  
230 Southeast 421  
Warrensburg, MO 64093

Installation Description:
Show-Me Regional Landfill, LLC (SMRLF) operates an existing municipal solid waste disposal facility (installation ID 101-0046) in Warrensburg, Missouri. The installation includes the closed Johnson County Landfill (also known as Autoshred) and the active Show-Me Landfill. Johnson County/Autoshred accepted refuse from 1975 to 1992. Show-Me Landfill began accepting refuse in 1993 and is doing so currently. The combined capacity of the two landfills is approximately 9,933,643 cubic yards (about 6.57 million megagrams). The installation is subject to 40 CFR 60 Subpart WWW - Standards of Performance for Municipal Soils Waste Landfills. A flare is used to control migration and odors from only the Show-Me Landfill but is not a required control device. The Show-Me Landfill has installed a final cover system (1' compacted clay, 40 mil LLDPE, geocomposite and 2' vegetative soil) over approximately 10 acres of the constructed disposal area. The Autoshred Landfill also has a cover system consisting of compacted clay and vegetative soil.

Prepared by  
Adam Brooks EIT  
Operating Permit Unit

Director or Designee  
Department of Natural Resources  
AUG 06 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>EP-01</td>
<td>Show-Me Landfill with gas collection system</td>
</tr>
<tr>
<td>EP-11</td>
<td>3,000 SCFM Open Flare</td>
</tr>
<tr>
<td>EP-14</td>
<td>2 Used oil space heaters, 190,000 Btu/hr each</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>Emission Unit #</th>
<th>Description of Emission Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-02</td>
<td>Haul Road for Landfill-Semi Trucks</td>
</tr>
<tr>
<td>EP-03</td>
<td>Haul Road for Landfill-Roll-off/Packer</td>
</tr>
<tr>
<td>EP-04</td>
<td>Haul Road for Landfill-Dump/Pick-Up Truck</td>
</tr>
<tr>
<td>EP-05</td>
<td>Haul Road for Burrow Area</td>
</tr>
<tr>
<td>EP-06</td>
<td>2,000 gallon diesel storage tank-active face</td>
</tr>
<tr>
<td>EP-07</td>
<td>6,000 gallon diesel storage tanks-hauling Co-T1</td>
</tr>
<tr>
<td>EP-08</td>
<td>6,000 gallon diesel storage tanks-hauling Co-T2</td>
</tr>
<tr>
<td>EP-10</td>
<td>8,000 gallon diesel storage tank-Fueling area</td>
</tr>
<tr>
<td>EP-12</td>
<td>4,000 gallon diesel storage tank-landfill</td>
</tr>
<tr>
<td>EP-13</td>
<td>500 gallon gasoline storage tank-Landfill</td>
</tr>
<tr>
<td>EP-15</td>
<td>500 gallon used oil storage tank</td>
</tr>
<tr>
<td></td>
<td>30,000 gallon leachate storage tank - aboveground</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 and Emission Units without Limitations.

**PERMIT CONDITION Subpart M**

10 CSR 10-6.080, Emission Standards for Hazardous Air Pollutants

**Emission/Operational Limitations:**
The permittee shall meet the following requirements:
1) Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of §61.154(c) or (d) must be met. [§61.154(a)]
2) Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as follows, or the requirements of §61.154(c)(1) must be met. [§61.154(b)]
   a) Warning signs must be displayed at all entrances and at intervals of 100 m (330 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos containing waste material is deposited. The warning signs must:
      i) Be posted in such a manner and location that a person can easily read the legend; and
      ii) Conform to the requirements of 51 cm × 36 cm (20 inch × 14 inch) upright format signs specified in 29 CFR 1910.145(d)(4) and this paragraph; and
      iii) Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph. Spacing between any two lines must be at least equal to the height of the upper of the two lines.

<table>
<thead>
<tr>
<th>Legend</th>
<th>Notation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asbestos Disposal Site</td>
<td>2.5 cm (1 inch) Sans Serif, Gothic or Block.</td>
</tr>
<tr>
<td>Do Not Create Dust</td>
<td>1.9 cm (3/4 inch) Sans Serif, Gothic or Block.</td>
</tr>
<tr>
<td>Breathing Asbestos is Hazardous to Your Health</td>
<td>14 Point Gothic</td>
</tr>
</tbody>
</table>

Spacing between any two lines must be at least equal to the height of the upper of the two lines.

b) The perimeter of the disposal site must be fenced in a manner adequate to deter access by the general public.

c) Upon request and supply of appropriate information, the director will determine whether a fence or a natural barrier adequately deters access by the general public.
3) Rather than meet the no visible emission requirement of §61.154(a), at the end of each operating day, or at least once every 24-hour period while the site is in continuous operation, the asbestos containing waste material that has been deposited at the site during the operating day or previous 24-hour period shall: [§61.154(c)]
   a) Be covered with at least 15 centimeters (6 inches) of compacted non-asbestos-containing material, or [§61.154(c)(1)]
   b) Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the director. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent. [§61.154(c)(2)]

4) Rather than meet the no visible emission requirement of §61.154(a), use an alternative emissions control method that has received prior written approval by the Administrator according to the procedures described in §61.149(c)(2). [§61.154(d)]

Recordkeeping/Reporting:
1) For all asbestos-containing waste material received, the permittee shall: [§61.154(e)]
   a) Maintain waste shipment records, using a form similar to that shown in Figure 4 of 40 CFR 61.149, and include the following information:
      i) The name, address, and telephone number of the waste generator.
      ii) The name, address, and telephone number of the transporter(s).
      iii) The quantity of the asbestos-containing waste material in cubic meters (cubic yards).
      iv) The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material not sealed in leak-tight containers. Report in writing to the local, state, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the Missouri Department of Natural Resources, by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment record along with the report.
   v) The date of the receipt.
   b) As soon as possible and no longer than 30 days after receipt of the waste, send a copy of the signed waste shipment record to the waste generator.
   c) Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, state, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the Missouri Department of Natural Resources. Describe the discrepancy and attempt to reconcile it, and submit a copy of the waste shipment record along with the report.
   d) Retain a copy of all records and reports required by this paragraph for at least five years.
2) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area. [§61.154(f)]
3) Upon closure, comply with all the provisions of §61.151. [§61.154(g)]
4) Submit to the director, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities. [§61.154(h)]

5) Furnish upon request, and make available during normal business hours for inspection by the director, all records required under this section. [§61.154(i)]

6) Notify the director in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the director at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice: [§61.154(j)]
   a) Scheduled starting and completion dates.
   b) Reason for disturbing the waste.
   c) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the director may require changes in the emission control procedures to be used.
   d) Location of any temporary storage site and the final disposal site.
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>PERMIT CONDITION Subpart WWW</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 CSR 10-6.070, New Source Performance Regulations</td>
</tr>
<tr>
<td>40 CFR Part 61 Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills</td>
</tr>
<tr>
<td>EP-01 – Show-Me Landfill</td>
</tr>
</tbody>
</table>

Emission Limitations:
The permittee shall calculate an NMOC emission rate for the landfill using the procedures specified in §60.754. The NMOC emission rate shall be recalculated annually, except as provided in §60.757(b)(1)(ii). [§60.752(b)]

1) If the calculated NMOC emission rate is less than 50 megagrams per year, the permittee shall:
   [§60.752(b)(1)]
   a) Submit an annual emission report to the director, except as provided for in §60.757(b)(1)(ii); and [§60.752(b)(1)(i)]
   b) Recalculate the NMOC emission rate annually using the procedures specified in §60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed. [§60.752(b)(1)(ii)]
   i) If the NMOC emission rate, upon recalculation required in §60.752(b)(1)(ii), is equal to or greater than 50 megagrams per year, the permittee shall install a collection and control system in compliance with §60.752(b)(2). [§60.752(b)(1)(ii)(A)]

Test Methods and Procedures:
1) The permittee shall calculate NMOC emission rates according to the following procedures.
   a) The permittee shall calculate the NMOC emission rate using either the equation provided in §60.754(a)(1)(i) or the equation provided in §60.754(a)(1)(ii). [§60.754(a)(1)]
   b) If conducting Tier 1 testing, the permittee shall conduct the testing in compliance with §60.754(a)(2).
   c) If conducting Tier 2 testing, the permittee shall conduct the testing in compliance with §60.754(a)(3).
   d) If conducting Tier 3 testing, the permittee shall conduct the testing in compliance with §60.754(a)(4).
   e) The permittee may use other methods to determine the NMOC concentration or a site-specific k as an alternative to the methods required in §60.754(a)(3) and (a)(4) if the method has been approved by the director. [§60.754(a)(5)]
2) When calculating emissions for PSD purposes, the permittee shall estimate the NMOC emission rate for comparison to the PSD major source and significance levels in §§51.166 or 52.21 of this chapter using AP-42 or other approved measurement procedures. [§60.754(c)]

**Reporting:**
The permittee shall submit an NMOC emission rate report to the director initially and annually thereafter, except as provided for in §60.757(b)(1)(ii). The director may request such additional information as may be necessary to verify the reported NMOC emission rate. [§60.757(b)]

1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754(a) or (b), as applicable. [§60.757(b)(1)]
   a) If the estimated NMOC emission rate as reported in the annual report to the director is less than 50 megagrams per year in each of the next 5 consecutive years, the permittee may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the director. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the director. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate. [§60.757(b)(1)(ii)]

2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions. [§60.757(b)(2)]

**Recordkeeping:**
The permittee shall keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report which triggered §60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable. [§60.758(a)]

**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, no later than ten (10) days after the exceedance or event causing the exceedance.

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 in the annual compliance certification required by Section V of this permit.

3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION 6.260

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>EP-11</td>
<td>3,000 scfm Flare; Constructed 2010</td>
</tr>
</tbody>
</table>

Note: As of issuance of this permit, 10 CSR 10-6.260 is a Federal Only requirement

Emission Limitations:
1) Emissions shall not contain more than five-hundred parts per million by volume (500 ppmv) of sulfur dioxide.
2) Stack gases shall not contain more than thirty-five milligrams (35 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three-hour period.

Monitoring/Recordkeeping/Reporting:
None; See Statement of Basis

1 This regulation was rescinded from Missouri Code of State Regulations on November 30, 2015 but it remains in Missouri's SIP and thus still remains an applicable federal regulation. Upon adoption of 10 CSR 10-6.261 into Missouri's SIP, 10 CSR 10-6.260 will be removed from the SIP and thus this rule will no longer be applicable to the installation.
**PERMIT CONDITION 6.220**

10 CSR 10-6.220, Restriction of Emission of Visible Air Contaminant

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-14</td>
<td>Two (2) Used Oil Space Heaters; 190,000 Btu/hr each; Constructed 2002</td>
</tr>
</tbody>
</table>

**Emission Limitation:**
1) The permittee shall not cause or permit to be discharged into the atmosphere from these emission units any visible emissions with an opacity greater than 20 percent for any continuous six-minute period. [10 CSR 10-6.220(3)(A)1]
2) Exception: The permittee may discharge into the atmosphere from any emission unit visible emissions with an opacity up to 60 percent for one continuous six-minute period in any 60 minutes. [10 CSR 10-6.220(3)(A)2]
3) Failure to demonstrate compliance with 10 CSR 10-6.220(3)(A) solely because of the presences of uncombined water shall not be a violation. [10 CSR 10-6.220(3)(B)]

**Monitoring:**
1) Monitoring schedule:
   a) The permittee shall conduct weekly observations for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then:
      i) The permittee shall conduct observations once every two weeks for a period of eight weeks. If a violation is noted, the permittee shall revert to weekly monitoring. Should no violation of this regulation be observed during this period then:
         (1) The permittee shall conduct observations once per month. If a violation is noted, the permittee shall revert to weekly monitoring.
   2) If the permittee reverts to weekly monitoring at any time, the monitoring schedule shall progress in an identical manner from the initial monitoring schedule.
   3) Observations are only required when the emission units are operating and when the weather conditions allow.
   4) Issuance of a new, amended, or modified operating permit does not restart the monitoring schedule.
   5) The permittee shall conduct visible emissions observation on these emission units using the procedures contained in U.S. EPA Test Method 22. Each Method 22 observation shall be conducted for a minimum of six-minutes. If no visible emissions are observed from the emission unit using Method 22, then no Method 9 is required for the emission unit.
   6) For emission units with visible emissions, the permittee shall have a certified Method 9 observer conduct a U.S. EPA Test Method 9 opacity observation. The permittee may choose to forego Method 22 observations and instead begin with a Method 9 opacity observation. The certified Method 9 observer shall conduct each Method 9 opacity observation for a minimum of 30-minutes.

**Recordkeeping:**
1) The permittee shall maintain records of all observation results for each emission unit using Attachments B, C, and D or equivalent forms.
2) The permittee shall make these records available immediately for inspection to the Department of Natural Resources’ personnel upon request.
3) The permittee shall retain all records for five years.
Reporting:
1) The permittee shall report any exceedance of any of the terms imposed by this permit condition, no later than ten (10) days after the exceedance or event causing the exceedance.
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 in the annual compliance certification required by Section V of this permit.
3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION 6.405

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

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-14</td>
<td>Two (2) Used Oil Space Heaters; 190,000 Btu/hr each; Constructed 2002</td>
</tr>
</tbody>
</table>

Emission Limitation:
The permittee shall not emit particulate matter in excess of 0.6 lb/MMBtu of heat input for each emission unit listed.

Recordkeeping:
1) The permittee shall maintain records of the following information for each year the unit is operated:
   a) The identification of each affected unit and the name and address of the plant where the unit is located for each unit subject to this rule;
   b) The calendar date of the record; and
   c) The emission rate in pounds per mmBtu for each unit on an annual basis for those units complying with the emission limitation;
2) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule using Attachment E or an equivalent.
3) The permittee shall record all required record keeping in an appropriate format.
4) Records may be kept electronically using database or workbook systems, as long as all required information is readily available for compliance determinations.
5) All records must be kept for a minimum of 5 years and be made available to Department of Natural Resources’ personnel upon request.

Reporting:
1) The permittee shall report any exceedance of any of the terms imposed by this permit condition, no later than ten (10) days after the exceedance or event causing the exceedance.
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 in the annual compliance certification required by Section V of this permit.
3) All reports and certifications shall be submitted to the Air Pollution Control Program’s Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or AirComplianceReporting@dnr.mo.gov.
PERMIT CONDITION Subpart CCCCCC

10 CSR 10-6.075, Maximum Achievable Control Technology Regulations

EP-30 - Gasoline Storage Tank

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-30</td>
<td>500 gallon gasoline storage tank-Landfill</td>
</tr>
</tbody>
</table>

**Applicability:**
1) The permittee with a GDF with a monthly throughput of less than 10,000 gallons of gasoline must comply with the requirements in §63.11116. [§63.11111(b)]
2) The permittee shall, upon request by the Administrator, demonstrate the monthly throughput is less than 10,000 gallons. [§63.11111(e)]
3) If the throughput of the GDF ever exceeds an applicable throughput threshold, the permittee shall remain subject to the requirements for sources above the threshold, even if the throughput later falls below the applicable throughput threshold. [§3.11111(i)]

**Emission Limitations:**
1) The permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.11115(a)]
2) The permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: [§63.11116(a)(1) through (4)]
   a) Minimize gasoline spills;
   b) Clean up spills as expeditiously as practicable;
   c) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
   d) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
3) The permittee is not required to submit notifications or reports as specified in §63.11125, §63.11126, or subpart A of this part, but must have records available within 24 hours of a request by the Administrator to document the gasoline throughput. [§63.11116(b)]
4) The permittee must comply with the requirements of this subpart by the applicable dates specified in §63.11113. [§63.11116(c)]
5) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with §63.11116(a)(3). [§63.11116(d)]
**Recordkeeping:**
The permittee shall keep records as specified in §63.11125(d)(1) and (2). [§63.11125(d)]

1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. [§63.11125(d)(1)]

2) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [§63.11125(d)(2)]
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 are only excerpts from the regulation or code, and are provided for summary purposes only.

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

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

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

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

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

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

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

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

10 CSR 10-6.060 Construction Permits Required

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

10 CSR 10-6.065 Operating Permits

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


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

10 CSR 10-6.100 Alternate Emission Limits

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

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

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

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

3) The permittee shall 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 odor-free 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.

Monitoring:
The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. If the permittee discovers a violation, the permittee shall undertake corrective action to eliminate the violation.
The permittee shall maintain the following monitoring schedule:
1) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
2) Should no violation of this regulation be observed during this period then-
   a) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
   b) If a violation is noted, monitoring reverts to weekly.
   c) Should no violation of this regulation be observed during this period then-
i) The permittee may observe once per month.
ii) If a violation is noted, monitoring reverts to weekly.

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

Recordkeeping:
The permittee shall document all readings on Attachment A, or its equivalent, noting the following:
1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
2) Whether equipment malfunctions contributed to an exceedance.
3) Any violations and any corrective actions undertaken to correct the violation.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants
1) The director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The director may specify testing methods to be used in accordance with good professional practice. The director may observe the testing. All tests shall be performed by qualified personnel.
2) The director may conduct tests of emissions of air contaminants from any source. Upon request of the director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
3) The director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-6.250 Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements
This is a State Only permit requirement.
The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the department to monitor training provided to employees.

10 CSR 10-6.280 Compliance Monitoring Usage
1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
   a) Monitoring methods outlined in 40 CFR Part 64;
   b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and
   c) Any other monitoring methods approved by the director.
2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at an installation:
a) Monitoring methods outlined in 40 CFR Part 64;
b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
c) Compliance test methods specified in the rule cited as the authority for the emission limitations.

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

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

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

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

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

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

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

10 CSR 10-6.065(6)(C)1.B Permit Duration
10 CSR 10-6.065(6)(E)3.C Extension of Expired Permits

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 or AirComplianceReporting@dnr.mo.gov.
   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.

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

10 CSR 10-6.065(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.I Reasonably Anticipated Operating Scenarios

The Show-Me Regional Landfill, LLC installation has two contiguous landfills, the Autoshred landfill and the Show-Me Landfill. The former, which accepted waste from 1975 to 1992, does not have a Gas Collection and Control System (GCCS) for control of any landfill gases. However, the Show-Me Landfill, which has been collecting municipal solid waste since 1993, uses a GCCS in conjunction with a 3,000 scfm flare to control for its landfill gas emissions (landfill gas from the Autoshred is not vented to this flare). This flare is not required under 40 CFR Part 60 Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills – which the installation is subject to. Therefore, this results in the Show-Me Landfill having two operating scenarios: using the flare to control for landfill gases and not controlling (i.e. no flare usage). Both scenarios are permitted under this operating permit.

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 or AirComplianceReporting@dnr.mo.gov. 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 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, or AirComplianceReporting@dnr.mo.gov, 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, or AirComplianceReporting@dnr.mo.gov, 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 permit, 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, or AirComplianceReporting@dnr.mo.gov, 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 Brad Zimmerman, Environmental Manager. 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
Fugitive Emission Observations

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<tr>
<th>Date</th>
<th>Time</th>
<th>Visible Emissions</th>
<th>If There Are Visible Emissions Beyond the Property Boundary</th>
<th>Cause</th>
<th>Corrective Action</th>
<th>Initial</th>
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</tbody>
</table>
### Method 22 Visible Emissions Observations

<table>
<thead>
<tr>
<th>Installation Name</th>
<th>Observer Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Date</td>
</tr>
<tr>
<td>Sky Conditions</td>
<td>Wind Direction</td>
</tr>
<tr>
<td>Precipitation</td>
<td>Wind Speed</td>
</tr>
<tr>
<td>Time</td>
<td>Emission unit</td>
</tr>
</tbody>
</table>

Sketch emission unit: indicate observer position relative to emission unit; indicate potential emission points and/or actual emission points.

<table>
<thead>
<tr>
<th>Minute</th>
<th>Seconds</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td></td>
<td></td>
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<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If visible emissions are observed, the installation is not required to complete the entire six-minute observation. The installation shall note when the visible emissions were observed and shall conduct a Method 9 opacity observation.
# Attachment C

## Method 9 Opacity Observations

<table>
<thead>
<tr>
<th>Installation Name:</th>
<th>Sketch of the observer’s position relative to the emission unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Point:</td>
<td></td>
</tr>
<tr>
<td>Emission Unit:</td>
<td></td>
</tr>
<tr>
<td>Observer Name and Affiliation:</td>
<td></td>
</tr>
<tr>
<td>Observer Certification Date:</td>
<td></td>
</tr>
<tr>
<td>Method 9 Observation Date:</td>
<td></td>
</tr>
<tr>
<td>Height of Emission Point:</td>
<td></td>
</tr>
<tr>
<td>Time:</td>
<td>Start of observations</td>
</tr>
</tbody>
</table>

Distance of Observer from Emission Point:
Observer Direction from Emission Point:
Approximate Wind Direction:
Estimated Wind Speed:
Ambient Temperature:
Description of Sky Conditions (Presence and color of clouds):
Plume Color:
Approximate Distance Plume is Visible from Emission Point:

<table>
<thead>
<tr>
<th>Minute</th>
<th>Seconds</th>
<th>1-minute Avg. % Opacity</th>
<th>6-minute Avg. % Opacity</th>
<th>Steam Plume (check if applicable)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td></td>
<td>N/A</td>
<td>Attached</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td></td>
<td>N/A</td>
<td>Detached</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td></td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td></td>
<td>N/A</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>4</td>
<td></td>
<td>N/A</td>
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<tr>
<td></td>
<td>5</td>
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<td>N/A</td>
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<td>N/A</td>
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<td>7</td>
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<td>N/A</td>
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<td>8</td>
<td></td>
<td>N/A</td>
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<td></td>
<td>9</td>
<td></td>
<td>N/A</td>
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<td></td>
<td>10</td>
<td></td>
<td>N/A</td>
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<tr>
<td></td>
<td>11</td>
<td></td>
<td>N/A</td>
<td></td>
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</tr>
</tbody>
</table>

2 1-minute avg. % opacity is the average of the four 15 second opacity readings during the minute.
3 6-minute avg. % opacity is the average of the six most recent 1-minute avg. % opacities.
4 Each 15 second opacity reading shall be recorded to the nearest 5% opacity as stated within Method 9.
The emission unit is in compliance if each six-minute average opacity is less than or equal to 20%. Exception: The emission unit is in compliance if one six-minute average opacity is greater than 20%, but less than 60%.

Was the emission unit in compliance at the time of evaluation (yes or no)?

______________
Signature of Observer
Attachment D
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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</tbody>
</table>

Project No. 2018-01-012
Attachment E
10 CSR 10-6.405 Compliance

This attachment may be used to demonstrate that the emission points are in compliance with 10 CSR 10-6.405 Restriction of Particulate Matter Emissions from Fuel Burning Equipment Used for Indirect Heating.

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
<th>MHDR (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-14</td>
<td>(2) Used Oil Space Heaters – 190,000 Btu/hr</td>
<td>0.38</td>
</tr>
<tr>
<td><strong>Total Q</strong></td>
<td></td>
<td><strong>0.38</strong></td>
</tr>
</tbody>
</table>

The maximum allowable PM emission limitation for new indirect heating sources having an intermediate total heat input below 10 MMBtu/hr is 0.60 lb/MMBtu. [10 CSR 10-6.405(3)(E)]

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
<th>Column 4</th>
<th>Column 5</th>
<th>Column 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Used Oil Mixture</strong></td>
<td><strong>Ash Content (A) of Fuel (%)</strong></td>
<td><strong>Emission Factor (EF)</strong></td>
<td><strong>EF Unit</strong></td>
<td><strong>EF Source</strong></td>
<td><strong>Calculated EF</strong></td>
</tr>
<tr>
<td>Current</td>
<td>2.8*A</td>
<td>lb/1000 gallons</td>
<td>AP42 T1.11-1</td>
<td>lb/1000 gallons</td>
<td></td>
</tr>
<tr>
<td>Example</td>
<td>0.55^3</td>
<td>2.8*A</td>
<td>lb/1000 gallons</td>
<td>AP42 T1.11-1</td>
<td>1.54 lb/1000 gallons</td>
</tr>
<tr>
<td>Maximum</td>
<td>30</td>
<td>2.8*A</td>
<td>lb/1000 gallons</td>
<td>AP42 T1.11-1</td>
<td>84 lb/1000 gallons</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 8</th>
<th>Column 9</th>
<th>Column 10</th>
<th>Column 11</th>
<th>Column 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Used Oil Mixture</strong></td>
<td><strong>Fuel Conversion Factor</strong></td>
<td><strong>Fuel Conversion Unit</strong></td>
<td><strong>Fuel Conversion Source</strong></td>
<td><strong>Converted Calculated EF</strong></td>
<td><strong>Converted Calculated EF Unit</strong></td>
</tr>
<tr>
<td>Current</td>
<td>140</td>
<td>MMBtu/1000 gallons</td>
<td>AP42 Ch. 1.11 (distillate mix)^6</td>
<td>0.011</td>
<td>lb/MMbtu</td>
</tr>
<tr>
<td>Example</td>
<td>140</td>
<td>MMBtu/1000 gallons</td>
<td>AP42 Ch. 1.11 (distillate mix)</td>
<td>0.60</td>
<td>lb/MMbtu</td>
</tr>
<tr>
<td>Maximum</td>
<td>140</td>
<td>MMBtu/1000 gallons</td>
<td>AP42 Ch. 1.11 (distillate mix)</td>
<td>0.60</td>
<td>lb/MMbtu</td>
</tr>
</tbody>
</table>

Instructions for values to fill out in the row entitled Current:
1) Report the Ash Content of the used oil fuel as a percentage in Column 1.
2) Multiply the Ash Content percentage by 2.8 lb/1000 gallons to obtain the current used oil’s particulate matter Emission Factor. Report this value in Column 5.
3) Convert the Emission Factor into lb/MMBtu by dividing by 140 MMBtu/1000 gallons. Report this value in Column 10.

The units are in compliance if the value reported in Column 10 is below 0.60 lb/MMBtu.


^6 This chapter also provides a fuel conversion factor for a residual mix with a value of 150 MMBtu/1000 gallons. Using this value results in emission factors that are less conservative than the one in the table. Therefore, the residual mix value is not included to show demonstration for compliance.
STATEMENT OF BASIS

Installation Description
Show-Me Regional Landfill, LLC (SMRL) operates an existing municipal solid waste disposal facility (installation ID 101-0046) in Warrensburg, Missouri. The installation includes the closed Johnson County Landfill (also known as Autoshred) and the active Show-Me Landfill. Johnson County/Autoshred accepted refuse from 1975 to 1992. Show-Me Landfill began accepting refuse in 1993 and is doing so currently. The combined capacity of the two landfills is approximately 9,933,643 cubic yards (about 6.57 million megagrams). The Show-Me Landfill by itself has a capacity of 5.47 million megagrams. For operating permitting purposes, both landfills are considered one installation. A landfill installation requires a Part 70 permit to operate if it has a capacity of at least 2.5 million megagrams. Therefore, SMRL requires a Part 70 permit to operate.

The Show-Me Landfill has installed a final cover system (1’ compacted clay, 40 mil LLDPE, geocomposite and 2’ vegetative soil) over approximately 10 acres of the constructed disposal area. The Autoshred Landfill also has a cover system consisting of compacted clay and vegetative soil.

The installation is subject to 40 CFR 60 Subpart WWW – Standards of Performance for Municipal Solids Waste Landfills. Show-Me Landfill uses a flare (EP-11) to control migration and odors but it is not a required control device. The Autoshred landfill does not vent landfill gases to the flare.

The last five years of reported emissions and the installation’s potential to emit appears in the table on the following page. The potential emissions do not include emissions from haul roads or tanks, affecting the results for particulates. Potential emissions do include used oil heaters (EP-14). Emission factors were obtained from AP42, Section 1.11 for used oil combustion.

Fugitive landfill emissions were calculated using emission factors from the draft AP42, Section 2.4 for landfills accepting waste after 1992; however all emissions from the landfill were included in the reported values, mainly affecting VOC. The fugitive landfill emissions that are included for Title V potential to emit purposes are hazardous air pollutants. According to the LandGEM calculations submitted with the application, peak landfill gas generation of 1,393 CFM is expected in 2044. Landfill gas and flare emissions were based on LandGEM data projected for the next five years, using a carbon monoxide emission factor of 62.4 lb CO/MMCF of methane derived from the AP42 draft Section 2.4 background document. Reported flare emissions, and issued construction permits, use an emission factor of 750 lb CO/MMCF of methane based on the final AP42 Section 2.4.

NO\textsubscript{x} reported emissions are reported above the potential emission value. The majority of NO\textsubscript{x} emissions are from the flare’s combustion of the landfill gas. The reported emissions assume the flare captures 100% of the landfill gas. According to AP42 Section 2.4 (both final and draft versions), gas collection systems are not 100% efficient. Potential emissions were evaluated for the flare capturing only 85% of the landfill gas.
All potential emissions were evaluated at 8,760 hours of annual operation. Because using the flare is optional, potential to emit rates were evaluated under two operating scenarios: controlled and uncontrolled. The values in the following table’s PTE column represent each criteria pollutant’s worst case emission rate from each operating scenario (HAPs have a higher emission rate when operating with no flare and the rest of the criteria pollutants have higher emission rates when the flare is used).

### Emissions Summary, tons per year

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<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulate Matter (PM_{10})</td>
<td>1.51</td>
<td>4.65</td>
<td>4.55</td>
<td>4.62</td>
<td>6.27</td>
<td>5.64</td>
</tr>
<tr>
<td>Particulate Matter (PM_{2.5})</td>
<td>1.48</td>
<td>2.24</td>
<td>2.35</td>
<td>2.27</td>
<td>2.40</td>
<td>1.66</td>
</tr>
<tr>
<td>Sulfur Oxides (SO_{x})</td>
<td>4.33</td>
<td>1.62</td>
<td>1.73</td>
<td>1.68</td>
<td>1.62</td>
<td>1.00</td>
</tr>
<tr>
<td>Nitrogen Oxides (NO_{x})</td>
<td>4.38</td>
<td>4.63</td>
<td>4.95</td>
<td>4.80</td>
<td>4.64</td>
<td>2.87</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>6.08</td>
<td>0.78</td>
<td>0.90</td>
<td>1.93</td>
<td>1.92</td>
<td>1.85</td>
</tr>
<tr>
<td>Carbon Monoxide (CO)</td>
<td>6.11</td>
<td>86.88</td>
<td>92.73</td>
<td>90.08</td>
<td>86.91</td>
<td>53.82</td>
</tr>
<tr>
<td>Hazardous Air Pollutants (HAP)</td>
<td>4.04</td>
<td>0.91</td>
<td>0.97</td>
<td>1.07</td>
<td>1.04</td>
<td>0.73</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 January 5, 2018;
2) 2017 Emissions Inventory Questionnaire, received March 12, 2018;
3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition; and
4) All documents listed in Constructed Permit History section.

### State 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 10-6.310, *Restriction of Emissions from Municipal Solid Waste Landfills*

This regulation applies to landfills which were constructed, reconstructed, or modified before May 30, 1991. The Autoshred landfill was constructed before the applicability date but is subject to New Source Performance Standards by the *Standards of Performance for Municipal Solid Waste Landfills* as explained under the NSPS sub-section to follow. The Show-Me Landfill was constructed after the May 30, 1991 and is subject to the New Source Performance Standards. Therefore, this installation is not subject to this rule. [10 CSR 10-6.310(1)(A)]
10 CSR 10-6.400, *Restriction of Emission of Particulate Matter From Industrial Processes*
This rule does not apply to the flare (EP-11) and the space heaters (EP-14) because they are fueled by liquids or gases which are excluded via the process weight definition.

This rule does not apply to the haul roads (EP-02, EP-03, and EP-04) and landfill cover activities because all of their emissions are fugitive. [10 CSR 10-6.400(1)(B)7.]

**Construction Permit History**
1) Construction Permit #052003-020; issued May 6, 2003
   This permit was issued to authorize installation of a landfill gas collection system (EP-01) and a 600 SCFM flare (EP-09). The permit does contain a special condition requiring Screen 3 modeling if the 600 SCFM flare is replaced. The flare was replaced in Construction Permit #082009-012; therefore, this condition does not appear in the Operating Permit.
2) No Permit Required Project # 2007-09-072; issued November 9, 2007
   This determination was issued for the installation of an active gas perimeter control system. Since installation of this system lowers fugitive emissions, by capturing them and routing them through the GCCS, no construction permit was required.
3) Construction Permit #082009-012; issued August 26, 2009
   This permit was issued to authorize replacement of the 600 SCFM flare (EP-09) with a 3,000 SCFM flare (EP-11). The permit does not contain any special conditions.

**New Source Performance Standards (NSPS) Applicability**
40 CFR Part 60 Subpart Cc - *Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills*
This regulation is for the states and is not directly applicable to the installation.

40 CFR Part 60 Subpart Kb - *Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984*
This rule applies to each storage vessel with a capacity greater than or equal to 75 cubic meters (m³) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.

The 30,000 gallon aboveground leachate storage tank has a capacity of more than 75 m³ (19,812.9 gallons) but less than 151 m³ (39,890 gallons). However, it is not applicable to this rule because the true vapor pressure is expected to be less than 15.0 kPa.

The remaining storage tanks that contain VOL at this installation are all less than 75 m³ capacity; therefore, this rule does not apply.
40 CFR Part 60 Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills
The provisions of this subpart apply to each municipal solid waste landfill that commenced construction, reconstruction or modification on or after May 30, 1991.
This regulation applies to the Show-Me Landfill because it was constructed after the applicability date. The Autoshred landfill was constructed before the applicability date and has not been reconstructed or modified since. However the entire installation of SMRL meets the definition of municipal solid waste landfill under §60.751 because the entire disposal facility is a contiguous geographical space. Therefore, this rule applies to both landfills at the installation. This rule has been applied in Permit Condition Subpart WWW.

According to Tier 2 testing, the NMOC emission rates are 28 Mg/yr as of 2016 and are projected to 35.4 Mg/yr as of 2021. The provisions requiring the installation of controls do not appear in this Operating Permit. This regulation requires controls when the NMOC emission rates meet or exceed 50 Mg/yr. This is not expected to occur during the life of this Operating Permit.

The flare is not required by this regulation, as the installation has not met the emissions thresholds requiring the installation of a control device. The flare is being used for controlling possible landfill gas migration and odors. The flare is not subject to the requirements of 40 CFR Part 60 Subpart WWW or Subpart A, §60.18. If and when the installation exceeds the 50 megagrams NMOC emissions threshold, the flare will be subject to the requirements of 40 CFR Part 60 Subpart WWW and the zero visible emissions limit of Subpart A, §60.18.

40 CFR Part 60 Subpart XXX - Standards of Performance for Municipal Solid Waste Landfills ThatCommenced Construction, Reconstruction, or Modification After July 17, 2014
This rule does not apply to the installation because it has not commenced construction, reconstruction, or modification after July 14, 2014.

Maximum Achievable Control Technology (MACT) Applicability
This regulation does not currently apply to the landfill because controls are not required by Subpart WWW and because the installation is an area source for HAPs.

This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF). This subpart also establishes requirements to demonstrate compliance with the emission limitations and management practices.
The 500 gallon gasoline storage tank is subject to this regulation, which appears in the permit as Permit Condition Subpart CCCCCC.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability
40 CFR Part 61 Subpart M - National Emission Standards for Asbestos
The installation accepts asbestos containing waste. The applicable requirements of this regulation appear as Permit Condition Subpart M.
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.

Greenhouse Gas Emissions

This source may be subject to the Greenhouse Gas Reporting Rule. However, the preamble of the GHG Reporting Rule clarifies that Part 98 requirements do not have to be incorporated in Part 70 operating permits at this time. In addition, Missouri regulations do not require the installation to report CO₂ emissions in their Missouri Emissions Inventory Questionnaire; therefore, the installation’s CO₂ emissions were not included within this permit. If required to report, the applicant is required to report the data directly to EPA. The public may obtain CO₂ emissions data by visiting http://epa.gov/ghgreporting/ghgdata/reportingdatasets.html.

Other Regulatory Determinations

10 CSR 10-6.220, Restriction of Emission of Air Contaminants

This regulation does not apply to the 3,000 scfm Flare (EP-11) because it can only burn landfill gas. [10 CSR 10-6.220(1)(L)]

This regulation applies to the Used Oil Space Heaters (EP-14) because they are a source of visible emissions and do not meet any of the exemptions in 6.220(1). This rule has been applied in Permit Condition 6.220.

10 CSR 10-6.260, Restriction of Emission of Sulfur Compounds

This regulation was rescinded from the code of state regulations (CSR). However, this regulation is still contained in Missouri’s State Implementation Plan (SIP). This regulation is a federally enforceable requirement until it is removed from the SIP; therefore, it must appear in this Operating Permit.

The gasoline fuel stored in EP-13 is used for mobile equipment and is thus not subject to this rule.

This regulation applies to the 3,000 scfm Flare (EP-11) and appears as Permit Condition 6.261. According to both the draft and final versions of AP42, Section 2.4, Municipal Solid Waste Landfills, the sulfur content of landfill gas can be estimated at approximately 47 ppmv. This sulfur content is much less than the limit for new sources, 500 ppmv, therefore no monitoring or recordkeeping is required in this permit.

Subsection (3)(A) does not apply to the Used Oil Space Heaters (EP-14) because they are an indirect heating source. [10 CSR 10-6.260(1)(B)1.]

Subsection (3)(B) does not apply to the Used Oil Space Heater (EP-14) because they each have a heat input of 190,000 Btu/hr. This value is less than the applicable threshold of 350,000 Btu/hr. Therefore, this rule does not apply to the Used Oil Space Heaters (EP-14). [10 CSR 10-6.260(1)(C)]
10 CSR 10-6.261, Control of Sulfur Dioxide Emissions
The 3,000 scfm Flare (EP-11) that burns landfill gas has sulfur dioxide emissions. The flare does not meet any of the applicability exemptions under 10 CSR 10-6.261(1)(A) through (C) therefore it is subject to this regulation. General Provisions Section (3) establishes SO₂ emissions based on fuel sulfur content. Subsection (3)(C) includes the fuel sulfur content limits for all units not covered under subsections (3)(A) and (3)(B) and only includes limits on sulfur content for distillate and residual fuel. There are no fuel sulfur limits for the combustion of landfill gas in the regulation, nor are there any monitoring, recordkeeping or reporting requirements for landfill gas fired flares. For this reason, 10 CSR 10-6.261 is not included in the permit as a permit condition; however, it does apply to the flare.

This regulation does not apply to the Used Oil Space Heater (EP-14) because they each have a heat input less than 350,000 Btu/hr. [10 CSR 10-6.262(1)(B)]

The gasoline fuel stored in EP-13 is used for mobile equipment and is thus not subject to this rule.

10 CSR 10-6.405, Restriction of Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating
This regulation applies to the Used Oil Heaters (EP-14) and appears in Permit Condition 6.405.

This regulation does not apply to the flare (EP-11) because it is not an indirect heating source.

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 Show-Me Regional Landfill, LLC (101-0046) was placed on public notice as of June 1, 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:

No comments were received.
AUG 06 2018

Mr. Brad Zimmerman
Show-Me Regional Landfill, LLC
Route 3 PO Box 117
Warrensburg, MO 64093

Re: Show-Me Regional Landfill, LLC, 101-0046
Permit Number: OP2018-067

Dear Mr. Zimmerman:

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:abj

Enclosures

c: PAMS File: 2018-01-012