PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 092016-001  Project Number: 2016-06-006
Installation Number: 095-0031
Parent Company: Great Plains Energy, Inc.
Parent Company Address: P.O. Box 418679, Kansas City, MO 64141
Installation Name: KCP&L Greater Missouri Operations Company - Sibley Generating Station
Installation Address: 33200 E. Johnson Rd, Sibley, MO 64141
Location Information: Jackson County, S2, T50N, R30W

Application for Authority to Construct was made for:
Two propane fired boilers and propane storage tanks. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

☐ Standard Conditions (on reverse) are applicable to this permit.
☑ Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

Prepared by
David Little, PE
Environmental Engineer III
New Source Review Unit

Director or Designee
Department of Natural Resources

SEP 01 2016
Effective Date
STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Enforcement and Compliance Section of the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Enforcement and Compliance Section of the Department’s Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department’s regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of the permit application and this permit and permit review shall be kept at the installation address and shall be made available to Department’s personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 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 choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit using the contact information below.

Contact Information:
Missouri Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102-0176
(573) 751-4817

The regional office information can be found at the following website:
http://dnr.mo.gov/regions/
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. “Conditions required by permitting authority.”

KCP&L Greater Missouri Operations Company - Sibley Generating Station
Jackson County, S2, T50N, R30W

1. NOx Emission Limitation
   A. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall emit less than 40.0 tons of NOX in any consecutive 12-month period from propane boiler EU-10 and propane boiler EU-11.
   
   B. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall develop and use forms to demonstrate compliance with Special Condition 1.A. The forms shall contain at a minimum the following information,
      1) Installation name
      2) Installation ID
      3) Permit number
      4) Current month
      5) Current 12-month date range
      6) Individual monthly propane throughput for boiler EU-10 and boiler EU-11, respectively.
      7) Individual NOx emission factors for boiler EU-10 and boiler EU-11, respectively.
         a. At the time of this permit’s issuance the emission factor for EU-10 and EU-11 is 19 lbs / 1,000 gallons propane.
         b. When KCP&L Greater Missouri Operations Company - Sibley Generating Station tests NOx emissions from EU-10 and EU-11, in accordance with this permit, KCP&L Greater Missouri Operations Company - Sibley Generating Station shall develop new NOX emission factors to demonstrate compliance with Special Condition 1.A. As the boilers are proposed to be the same make and model, then testing for one boiler will develop the emission factor for each boiler unless testing is conducted on each boiler.
   
   8) Monthly emissions for EU-10 and EU-11, respectively calculated using the following equation:
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

\[
NOx \text{ emissions (tons)} = \text{Propane combustion throughput (per 1,000 gallons)} \\
\times \text{Respective emission factor} \left( \frac{\text{lb NOx}}{1,000 \text{ gallons of propane combusted}} \right) \\
\times \left( \frac{1 \text{ ton NOx}}{2000 \text{ lbs NOx}} \right)
\]

9) Monthly NO\textsubscript{X} emissions calculated by summing all NO\textsubscript{X} emissions from EU-10 and EU-11.
10) 12-month rolling total NO\textsubscript{X} emissions from EU-10 and EU-11 and the sum of all NO\textsubscript{X} emissions from startup, shutdown, and malfunction as reported to the Air Pollution Control Program's Compliance/Enforcement Section.
11) Indication of compliance status with Special Condition 1.A.

2. Fuel Limitation
A. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall combust exclusively liquefied petroleum gas meeting ASTM D1835 in EU-10 and EU-11.

B. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall demonstrate compliance by keeping records on site showing the EU-10 and EU-11 fuel supply piping is connected only to tanks containing the allowed fuel. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall keep records on site showing all fuel deliveries to the tanks.

3. Confirmation as non-EGU Boilers
A. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall not route any steam from EU-10 or EU-11 to any steam turbine blades.

B. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall demonstrate compliance by using steam piping design drawings. A copy of the drawings shall be kept on site.

4. Performance Testing
A. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall test NO\textsubscript{X} emissions from boilers EU-10 and EU-11.

B. Initial testing of at least one of the boilers shall be performed within 60 days after achieving the maximum capacity of either EU-10 or EU-11, respectively, but not later than 180 days after initial startup for commercial
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

operation and shall be conducted in accordance with the procedures in this permit and the approved test plan.

C. Subsequent testing of EU-10 and EU-11 shall be conducted at least once every 5 years on alternating schedules, e.g. if initial testing was conducted on EU-10 then the next test is on EU-11.

D. Testing shall be performed at the maximum capacity. At the time of this permit’s issuance maximum capacity for each EU-10 and EU-11 is 60 MMBtu/hr input. However, since at the time of this permit’s issuance the boilers' make and model have not been selected, the maximum capacity of the installed boilers may change from the permitted value. If it is impractical to test at maximum capacity, emission units may be tested at less than the maximum capacity. In this case, subsequent operation of the emission units is limited to 110 percent of the test rate capacity until a new test is conducted. Once the emission units are so limited, operation at higher capacities is allowed for no more than 15 total days for the purpose of additional compliance testing to regain the authority to operate at the maximum capacity.

E. A completed Proposed Test Plan Form (enclosed) shall be submitted to the Air Pollution Control Program 30 days prior to the proposed test date so that the Air Pollution Control Program may arrange a pretest meeting, if necessary, and assure that the test date is acceptable for an observer to be present. The Proposed Test Plan may serve the purpose of notification and must be approved by the Director prior to conducting the required emission testing.

F. Two copies (one hardcopy, one electronic) of the full test report shall be submitted to the Compliance/Enforcement Section within 60 days of completion of any required testing. The report shall include legible copies of the raw data sheets, analytical instrument laboratory data, and complete sample calculations from the required test method for at least one sample run. The report shall also include the following values present during each test:
   1) Boiler maximum capacity rating (MMBtu/hr input)
   2) Actual boiler load (percentage of maximum capacity)
   3) Propane usage (per 1,000 gallons)
   4) Calculated NOx emission factor (lb/1,000 gallons propane)
   5) Air/fuel ratio

5. As-Built Evaluation
   A. KCP&L Greater Missouri Operations Company - Sibley Generating Station
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

shall notify the Permits Section in writing before the initial startup for commercial operation of either EU-10 or EU-11 of any changes to the as-built maximum capacity from the permitted 60 MMBtu/hr input.

B. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall submit an as-built report to the Permits Section within 180 days of initial startup for commercial operation. The report shall contain at minimum the installed make, model, maximum capacity, locational coordinates, and stack parameters of each EU-10 and EU-11. The report shall be accompanied with a copy of the boiler manufacturer design specifications that show the make, model, maximum capacity, and stack parameters.

6. Record Keeping and Reporting Requirements
A. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include SDS for all materials used.

B. KCP&L Greater Missouri Operations Company - Sibley Generating Station shall report to the Compliance/Enforcement Section, no later than 10 days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT
SECTION (5) REVIEW
Project Number: 2016-06-006
Installation ID Number: 095-0031
Permit Number: 

Installation Address: 
KCP&L Greater Missouri Operations 
Company - Sibley Generating Station 
33200 E. Johnson Rd 
Sibley, MO 64141 

Parent Company: 
Great Plains Energy, Inc. 
P.O. Box 418679 
Kansas City, MO 64141 

Jackson County, S2, T50N, R30W 

REVIEW SUMMARY 

- KCP&L Greater Missouri Operations Company - Sibley Generating Station has applied for authority to install two propane fired boilers and propane storage tanks. 

- The application was deemed complete as of June 16, 2016. 

- HAP emissions are expected from propane combustion, but in amount less the respective SMAL and less than 10/25 tpy. 

- 40 CFR 60 Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units applies to EU-10 and EU-11. 

- None of the NESHAPs under 40 CFR 60 apply to the project emission units. 


- No air pollution control equipment is being used in association with the new equipment. 

- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of NOx are conditioned below the de minimis level. 

- This installation is located in Jackson County, a maintenance area for ozone. The installation is located outside of the portion of Jackson County that is nonattainment for the 2010 SO2 standard.
- This installation is on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation is classified as item number 26. Fossil-fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input. The installation's major source level is 100 tons per year and fugitive emissions are counted toward major source applicability.

- Ambient air quality modeling was not performed since potential emissions of the project are below de minimis levels.

- NOx emission testing is required for EU-10 and EU-11.

- Submittal of an application to amend the Part 70 operating permit is required within 1 year of either EU-10 or EU-11 startup.

- Approval of this permit is recommended with special conditions.

 INSTALLATION DESCRIPTION

KCP&L Greater Missouri Operations Company - Sibley Generating Station (herein Sibley) is an electric generating station located near the town of Sibley. The installation consists of three primarily coal fired boilers, coal and ash handling, emergency engines, tanks, and maintenance equipment. Two of the coal fired boilers are scheduled to cease coal combustion over the next few years. Sibley is a major source of PM, PM10, PM2.5, SO2, NOx, VOC, CO, HAPs, and GHG. The following New Source Review permits have been issued to Sibley from the Air Pollution Control Program.

Table 1: Permit History

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0393-004</td>
<td>Coal conveyor and fly ash system</td>
</tr>
<tr>
<td>0897-025</td>
<td>Cold cleaner, emergency fire pump</td>
</tr>
<tr>
<td>022008-003</td>
<td>Burn biomass</td>
</tr>
<tr>
<td>082008-020</td>
<td>Burn biofuel</td>
</tr>
<tr>
<td>082008-020A</td>
<td>Increase biofuel</td>
</tr>
<tr>
<td>022009-007</td>
<td>Extend biofuel test</td>
</tr>
<tr>
<td>112011-009</td>
<td>Accept CCR from offsite</td>
</tr>
<tr>
<td>092011-002</td>
<td>Coal additive testing</td>
</tr>
<tr>
<td>012016-011</td>
<td>Coal additive and activated carbon testing</td>
</tr>
<tr>
<td>042016-002</td>
<td>Coal additive and activated carbon testing</td>
</tr>
</tbody>
</table>

 PROJECT DESCRIPTION

Sibley proposes to install two propane fired boilers and four propane storage tanks. The permit application rates the boilers at 50 MMBtu/hr input each, and this was changed to 60 MMBtu/hr input each during the review process. At the time of this
permit’s issuance the design specifications were not available. The permit contains a requirement to provide the as-built parameters. No add-on control devices are proposed. The new boilers are meant to provide steam to the existing coal fired boilers’ feedwater and turbine shaft seal. This should reduce startup coal usage and reduce startup time. A permit condition ensures the new boilers will not be electric generating units. Sibley expects that for most coal boiler startups that one or possibly neither of the new boilers will be needed. However in cold weather or during a cold startup both new boilers may be used. Propane will be delivered on existing paved and unpaved roads. No control device is proposed for the roads.

EMISSIONS/CONTROLS EVALUATION

The boilers’ PM, PM$_{10}$, PM$_{2.5}$, SO$_{2}$, and NO$_{X}$ potential emissions were calculated using emission factors obtained from SCC 1-02-010-02 in webFIRE. The EPA document AP-42, Compilation of Air Pollutant Emission Factors, Fifth Edition, Chapter 1.5 Liquefied Petroleum Gas Combustion, July 2008, also contains emission factors for these pollutants. The webFIRE factors were used because they are higher, have the same quality rating, and the purpose is to calculate potential emissions. Usage of either NO$_{X}$ emission factor still results in unconditioned potential emissions above 40 tpy. NO$_{X}$ testing is required.

The boilers’ VOC and HAP potential emissions were calculated using emission factors for external natural gas combustion for SCC 1-02-006-02 and 1-02-006-03.

The boilers’ GHG potential emissions were calculated using emissions factors for SCC 1-02-010-02. The GHG reporting rule 40 CFR 98 also contains GHG emission factors, which result in lower GHG mass and GHG CO$_{2e}$ potential emissions compared to the SCC emission factors. The SCC factors were used as the purpose is to calculate potential emissions.

Potential emissions from the propane delivery haul roads were calculated using AP-42 Chapter 13.2.1 Paved Roads, January 2011, and Chapter 13.2.2 Unpaved Roads, November 2006. VOC emissions from the propane tanks were considered negligible.

The following table provides an emissions summary for this project. Existing potential emissions were obtained from operating permit OP2012-056. Existing actual emissions were obtained from the installation’s 2015 EIQ. Existing actual GHG emissions were obtained from EPA’s 2014 facility level information on greenhouse gases tool. Potential emissions of the project represent the potential of the new boilers and supporting haul roads, assuming continuous operation (8,760 hours per year). Conditioned potential emissions represent the NO$_{X}$ limit to less than the deminimis level. Potential emissions of other pollutants were not proportionately reduced due to the complex combustion relationships.
### Table 2: Emissions Summary (tpy)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Regulatory De Minimis Levels</th>
<th>Existing Potential Emissions</th>
<th>Existing Actual Emissions</th>
<th>Unconditioned Potential Emissions of the Project</th>
<th>Conditioned Potential Emissions of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>N/D</td>
<td>N/D</td>
<td>4.89</td>
<td>4.89</td>
</tr>
<tr>
<td>PM(_{10})</td>
<td>15.0</td>
<td>218.13 (^2)</td>
<td>281.34</td>
<td>6.67</td>
<td>6.67</td>
</tr>
<tr>
<td>PM(_{2.5})</td>
<td>10.0</td>
<td>100.22 (^2)</td>
<td>242.11</td>
<td>6.42</td>
<td>6.42</td>
</tr>
<tr>
<td>SO(_2)</td>
<td>40.0</td>
<td>49,234.28</td>
<td>7,629.97</td>
<td>8.62</td>
<td>8.62</td>
</tr>
<tr>
<td>NO(_x)</td>
<td>40.0</td>
<td>46,422.98</td>
<td>2,913.60</td>
<td>109.14</td>
<td>&lt; 40.0</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>166.73</td>
<td>65.42</td>
<td>2.95</td>
<td>2.95</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>704.94</td>
<td>298.45</td>
<td>43.08</td>
<td>43.08</td>
</tr>
<tr>
<td>GHG (CO(_2)_e)</td>
<td>75,000</td>
<td>6,805,615</td>
<td>1,579,945</td>
<td>73,373</td>
<td>73,373</td>
</tr>
<tr>
<td>GHG (mass)</td>
<td>0.0</td>
<td>N/D</td>
<td>1,571,699</td>
<td>71,810</td>
<td>71,810</td>
</tr>
<tr>
<td>Combined HAPs</td>
<td>25.0</td>
<td>2,011.92</td>
<td>23.24</td>
<td>0.97</td>
<td>0.97</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>2.0 (^1)</td>
<td>N/D</td>
<td>N/D</td>
<td>0.04</td>
<td>0.04</td>
</tr>
<tr>
<td>Hexane</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.93</td>
<td>0.93</td>
</tr>
</tbody>
</table>

N/A = Not Applicable; N/D = Not Determined

The project and installation include other HAPs than formaldehyde and hexane.

\(^1\) SMAL

\(^2\) The existing potential PM\(_{10}\) and PM\(_{2.5}\) are reported less than the actual emissions.

#### PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of NO\(_x\) are conditioned below the de minimis level.

#### APPLICABLE REQUIREMENTS

KCP&L Greater Missouri Operations Company - Sibley Generating Station shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit.
GENERAL REQUIREMENTS

- **Submission of Emission Data, Emission Fees and Process Information**, 10 CSR 10-6.110
  - Per 10 CSR 10-6.110(4)(B)2.B(II) and (4)(B)2.C(II) a full EIQ is required for the first full calendar year the equipment (or modifications) approved by this permit are in operation.

- **Operating Permits**, 10 CSR 10-6.065

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

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

- **Restriction of Emission of Odors**, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

- **New Source Performance Regulations**, 10 CSR 10-6.070

- **MACT Regulations**, 10 CSR 10-6.075

- Boiler EU-10 and boiler EU-11 are not subject to 10 CSR 10-6.260 **Restriction of Emission of Sulfur Compounds** or 10 CSR 10-6.261 **Control of Sulfur Dioxide Emissions**, as the boilers will combust only liquefied petroleum gas. 10 CSR 10-6.260 was rescinded and replaced by 10 CSR 10-6.261 in the code of state regulations. However, 6.260 has not yet been removed from the SIP and therefore remains an enforceable regulation if applicable.

- **Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating**, 10 CSR 10-6.405 applies to EU-10 and EU-11. The units are deemed in compliance since they combust exclusively liquefied petroleum gas (propane).
STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required, it is recommended that this permit be granted with special conditions.

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated May 24, 2016, received May 31, 2016, designating Great Plains Energy, Inc. as the owner and operator of the installation.
- Emails between Stephen Courtney (KCPL) and David Little (Air Pollution Control Program) dated June 14, 2016, to August 19, 2016.

The following documents are permit references:
- EPA facility level information on greenhouse gases tool.
APPENDIX A

Abbreviations and Acronyms

% ............ percent
°F ............ degrees Fahrenheit
acfm ....... actual cubic feet per minute
BACT ..... Best Available Control Technology
BMPs ..... Best Management Practices
Btu......... British thermal unit
CAM ...... Compliance Assurance Monitoring
CAS ....... Chemical Abstracts Service
CEMS ..... Continuous Emission Monitor System
CFR .......... Code of Federal Regulations
CO .......... carbon monoxide
CO₂ .......... carbon dioxide
CO₂e ....... carbon dioxide equivalent
COMS ..... Continuous Opacity Monitoring System
CSR ....... Code of State Regulations
dscf ....... dry standard cubic feet
EIQ ........ Emission Inventory Questionnaire
EP .......... Emission Point
EPA ........ Environmental Protection Agency
EU .......... Emission Unit
fps ......... feet per second
ft ............ feet
GACT ..... Generally Available Control Technology
GHG ........ Greenhouse Gas
gpm ....... gallons per minute
gr ............ grains
GWP ........ Global Warming Potential
HAP ......... Hazardous Air Pollutant
hr ............ hour
hp ............ horsepower
lb ............ pound
lbs/hr ...... pounds per hour
MACT ..... Maximum Achievable Control Technology
µg/m³ ...... micrograms per cubic meter
m/s ......... meters per second
Mgal ...... 1,000 gallons
MW ......... megawatt
MHDR ...... maximum hourly design rate
MMBtu .... Million British thermal units
MMCF ....... million cubic feet
MSDS ..... Material Safety Data Sheet
NAAQS ... National Ambient Air Quality Standards
NESHAPs National Emissions Standards for Hazardous Air Pollutants
NOₓ ........ nitrogen oxides
NSPS ...... New Source Performance Standards
NSR ......... New Source Review
PM ......... particulate matter
PM$_{2.5}$ ...... particulate matter less than 2.5 microns in aerodynamic diameter
PM$_{10}$ ...... particulate matter less than 10 microns in aerodynamic diameter
ppm ......... parts per million
PSD ......... Prevention of Significant Deterioration
PTE ......... potential to emit
RACT ...... Reasonable Available Control Technology
RAL ......... Risk Assessment Level
SCC ......... Source Classification Code
scfm ...... standard cubic feet per minute
SDS ......... Safety Data Sheet
SIC ......... Standard Industrial Classification
SIP .......... State Implementation Plan
SMAL ..... Screening Model Action Levels
SOₓ ......... sulfur oxides
SO₂ ......... sulfur dioxide
tph......... tons per hour
tpy .......... tons per year
VMT ...... vehicle miles traveled
VOC ......... Volatile Organic Compound
Mr. Steve Courtney  
Environmental Services  
Great Plains Energy, Inc.  
P.O. Box 418679  
Kansas City, MO  64141

RE: New Source Review Permit - Project Number: 2016-06-006

Dear Mr. Courtney:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application and with your amended operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

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 the following website: http://dnr.mo.gov/regions/. The online CAV request can be found at http://dnr.mo.gov/cav/compliance.htm.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission 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 administrative hearing commission, whose contact information
is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.

If you have any questions regarding this permit, please do not hesitate to contact David Little, at the Department of Natural Resources’ Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Susan Heckenkamp
New Source Review Unit Chief

SH:dlj

Enclosures

c: Kansas City Regional Office
   PAMS File: 2016-06-006

Permit Number: