

Appendix B

Kansas Department of Health and Environment Permit Application Forms



Kansas Department of Health and Environment
Bureau of Air and Radiation
Phone (785) 296-1570 Fax (785) 291-3953

Notification of Construction or Modification
(K.A.R. 28-19-300 Construction permits and approvals; applicability)

Check one: Applying for a Permit under K.A.R. 28-19-300(a) Applying for an Approval under K.A.R. 28-19-300(b)*

- 1) Source ID Number: 0210002
- 2) Mailing Information:
Company Name: The Empire District Electric Company - Riverton Power Station
Address: P.O. Box 127
City, State, Zip: Joplin, MO 64802
- 3) Source Location:
Street Address: 7240 Southeast Highway 66
City, County, State, Zip: Riverton, KS 66750
Section, Township, Range:
Latitude & Longitude Coordinates:
- 4) NAICSC/SIC Code (Primary): 221112: Electric Services, Fossil Fuel Power Generation
- 5) Primary Product Produced at the Source: Electric Power Generation
- 6) Would this modification require a change in the current operating permit for your facility? Yes No
If no, please explain:
- 7) Is a permit fee being submitted? Yes No
If yes, please include the facility's federal employee identification number (FEIN #) 44-0236370
- 8) Person to Contact at the Site: Jeff Burkett Phone: (417) 625-4236
Title: Sr. Environmental Coordinator
- 9) Person to Contact Concerning Permit: Jeff Burkett Phone: (417) 625-4236
Title: Sr. Environmental Coordinator
Email: jburkett@empiredistrict.com Fax: (417) 625-5169

Please read before signing:

Reporting forms provided may not adequately describe some processes. Modify the forms if necessary. Include a written description of the activity being proposed, a description of where the air emissions are generated and exhausted and how they are controlled. A simple diagram showing the proposed activity addressed in this notification which produces air pollutants at the facility (process flow diagrams, plot plan, etc.) with emission points labeled must be submitted with reporting forms. Information that, if made public, would divulge methods or processes entitled to protection as trade secrets may be held confidential. See the reverse side of this page for the procedure to request information be held confidential. A copy of the Kansas Air Quality Statutes and Regulations will be provided upon request.

Name and Title: Blake Mertens- Vice President of Energy Supply

Address: P.O. Box 127 Joplin, MO 64802

Signature: [Handwritten Signature] Date: 1/25/2013 Phone: (417) 625-5100

* If you do not know whether to apply for a permit or an approval, follow approval application procedures.

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Procedures For Requesting Information To Be Held Confidential

An applicant may request that information submitted to the Department, other than emission data or information in any air quality permit or approval, be treated as confidential if the information would divulge methods or processes entitled to protection as trade secrets.

A request to designate information within the Department's air quality files as confidential must include:

- (1) An uncensored copy of the document clearly marked as confidential;
- (2) A copy of the document, or copies if more than one is required to be filed with the Department, with the confidential information masked;
- (3) Specification of the type of information to be held as confidential (i.e., product formulations, process rates);
- (4) Specification and justification of the reason the information is qualified by statute to be treated as confidential (competitive advantage, company developed secret formulation, trade secret); and
- (5) A reference at each place in the document or documents where information is masked referring to the specification of the type of information masked and the specification and justification the information is qualified by statute to be treated as confidential.

ONLY THE CONFIDENTIAL INFORMATION ON ANY DOCUMENT MAY BE MASKED. ALL INFORMATION ON ANY DOCUMENT WHICH IS NOT CONFIDENTIAL MUST REMAIN LEGIBLE.

The information will be treated as confidential until the secretary has acted upon the request and the owner or operator has had the opportunity to exhaust any available remedies if the secretary determines the information is not confidential.

Complete this and all reporting forms and submit to:

Kansas Department of Health and Environment
Bureau of Air and Radiation
1000 SW Jackson, Suite 310
Topeka, KS 66612-1366
(785) 296-1570

Sources located in Wyandotte County should obtain forms from, and submit forms to:

Unified Government of Wyandotte County
Department of Air Quality
619 Ann Avenue
Kansas City, KS 66101
(913) 573-6700

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CALCULATING THE CONSTRUCTION PERMIT APPLICATION FEE

[These requirements are found at K.A.R. 28-19-304(b).]

Calculate the construction permit application fee as follows:

Estimated capital cost of the proposed activity for which the application is made, including the total cost of equipment and services to be capitalized.

Line 1 \$ 140 million

Multiply by .05% (.0005)

x .0005

Total

Line 2 \$ 7,000.00

If Line 2 is less than \$100, enter \$100 on Line 3.

If Line 2 is greater than \$4,000, enter \$4,000 on Line 3.

Otherwise, copy Line 2 to Line 3.

Construction permit application fee. Line 3 \$ 5,500.00 Minimum fee is \$100

Blake Mertens

(Print)

Certifier of Capital Cost

X 
(Signature)

X 1.25.13
Date

K.A.R. 28-19-350 is a complex regulation pertaining to prevention of significant deterioration (PSD). An additional fee of \$1,500 will be required if a PSD review is necessary. If you believe the proposed activity in this Notification of Construction or Modification will be subject to the requirements of K.A.R. 28-19-350, contact the Department for further evaluation.

For purposes of construction permit or approval applications, the following are not considered modifications:

1. Routine maintenance or parts replacement.
2. An increase or decrease in operating hours or production rates if:
 - a. production rate increases do not exceed the originally approved design capacity of the stationary source or emissions unit; and
 - b. the increased potential-to-emit resulting from the change in operating hours or production rates do not exceed any emission or operating limitations imposed as a permit condition.

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**Kansas Department of Health and Environment
Division of Environment
Bureau of Air and Radiation**

INDIRECT HEATING UNIT (BOILER)

- 1) Source ID Number: 0210002
- 2) Company/Source Name: The Empire District Electric Company-Riverton Power Station
- 3) Emission Unit Identification: Auxiliary Boiler
- 4) Manufacturer: TBD Model No.: TBD
- 5) Maximum design heat-input rate: 18.579 MM BTU/hr
Heat-release Rate: 55,000 BTU/hr/cu. ft. of furnace volume
Annual load factor: 7.5% (based on 2017 projected fuel budget)
Heater design: Cyclone _____; Underfeed stoker _____; Spreader stoker _____;
Pulverized (dry-tangential or normal/wet) _____; Other (specify) Industrial External Combustion Boiler 10-100 MMBtu.
Normal Operating Schedule: 8760 hours/year (Used to estimate PTE)
Date of latest modification: n/a
- 6) Primary Fuel Type:
Natural Gas X Oil _____ Coal _____ Other (specify) _____
Secondary Fuel Type:
Natural Gas _____ Oil _____ Coal _____ Other (specify) _____
- 7) If other fuel is waste liquid:
What is the source of the waste? _____
Will the waste be pretreated to remove any of the contaminants? Yes _____; No _____ If yes, describe method of pretreatment:

- If waste liquid is used in combination with fuel oil:
Specify the volume percent of waste liquid: _____ %
Specify the anticipated annual operating hours during which the fuel and waste combination will be used:
_____ hrs.
Fill in the data below for the fuel oil.
- Include the chemical and physical characteristics of the waste liquid. Also, include any source emissions test data that is available from testing similar facilities that have disposed of this type liquid waste.

INDIRECT HEATING UNIT (BOILER)
(cont.)

- 8) Fuel Specific Data: (if other is specified, give appropriate data)

Natural Gas:

Heating value: 1052 BTU/cu. ft.

(If fuel gas is used, also specify %Sulfur: _____)

Coal:

Fuel Parameters: %Sulfur: _____ % Ash: _____

Heating value: _____ BTU/lb.

Fuel Oil:

Fuel Parameters: %Sulfur: _____ Grade: _____

Heating value: _____ BTU/gal.

Density: _____ lb./gal.

- 9) Air Emissions Control Technology: NO_x _____ SO_x _____ CO _____ Particulate _____

If yes, breakdown of Control Technology: _____

- 10) Soot blowing (if applicable): frequency: _____ duration: _____

- 11) Has boiler been derated because of:

Fuel change no Equip. limitations no Regulatory compliance no

- 12) Emissions discharge to atmosphere 45 ft. above grade through stack or duct 20 in. diameter
at 300 deg. E F temperature, with 3611 cfm flow rate and 2373 fpm velocity.

- 13) For emission control equipment, use the appropriate CONTROL EQUIPMENT form and duplicate as needed. Be sure to indicate the emission unit that the control equipment is affecting

- 14) Did construction, modification, or reconstruction commence after August 17, 1971 and on or before September 18, 1978 and does the indirect heating unit have a maximum design heat-input capacity to combust more than 250 million BTU/hour? Yes _____; No X
If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart D.

- 15) Did construction, modification, or reconstruction commence after September 18, 1978 and does the indirect heating unit have a maximum design heat-input capacity to combust more than 250 million BTU/hour? Yes _____; No X
If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart Da.

- 16) Did construction, modification, or reconstruction commence after June 19, 1984 and does the indirect heating unit have a maximum design heat-input capacity to combust more than 100 million BTU/hour but less than 250 million BTU/hour? Yes _____; No X
If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart Db.

INDIRECT HEATING UNIT (BOILER)
(cont.)

- 17) Did construction, modification, or reconstruction commence after June 9, 1989 and does the indirect heating unit have a maximum design heat-input capacity to combust 10 million or more BTU/hour but less than 100 million BTU/hour? Yes X ; No _____

If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart Dc.