

State of Kansas

**Kansas Department of Health and Environment
Notice Concerning Proposed Kansas Air Quality
Construction Permit and Public Hearing**

Notice is hereby given that the Kansas Department of Health and Environment (KDHE) is soliciting comments regarding a proposed air quality construction permit. The Empire District Electric Company (Empire) located at 602 S. Joplin Avenue, Joplin, Missouri 64802, has applied for an air quality construction permit in accordance with the provisions of K.A.R. 28-19-300 to convert the Unit 12 combustion turbine from simple cycle to combined cycle operation at Riverton Power Station, 7240 Southeast Highway 66 in Cherokee County, Riverton, Kansas 66750.

Emissions of oxides of nitrogen (NO_x), sulfur dioxide (SO₂), carbon monoxide (CO), volatile organic compounds (VOC), particulate matter (PM), PM with a diameter less than 10 microns (PM₁₀), PM with a diameter less than 2.5 microns (PM_{2.5}), lead, sulfuric acid mist (SAM), hydrogen fluoride (HF), and carbon dioxide equivalent (CO₂e) were evaluated during the permit review process.

The proposed permit is to be issued in accordance with the provisions of K.A.R. 28-19-350, *Prevention of Significant Deterioration* (PSD) which adopt the federal standards, procedures and requirements of 40 CFR 52.21 by reference. These air quality regulations apply to major stationary emission sources located in areas designated as “attainment” under the federal Clean Air Act (CAA). Attainment areas are areas where the air quality meets or is better than the national ambient air quality standards (NAAQS).

The PSD regulations require evaluation of emission reduction techniques to identify the best available control technology (BACT) for each pollutant for which the emission rate exceeds the PSD significant level. The purpose of BACT is to affect the maximum degree of reduction

achievable, taking into account energy, environmental and economic impacts for each pollutant under review. Evaluation of the estimated emissions for the proposed Riverton Power Station project indicates that the emission rates of PM, PM₁₀, PM_{2.5}, and CO_{2e} exceed the significance levels. Empire conducted the required BACT analysis for PM, PM₁₀, PM_{2.5}, and CO_{2e}. The department has reviewed Empire's BACT analysis and concurs with its findings for PM, PM₁₀, PM_{2.5}, and CO_{2e}.

An ambient impact analysis was performed on the potential air emissions of PM₁₀ and PM_{2.5} from this project.

- A preliminary modeling analysis conducted for the 24-hour PM₁₀ averaging period demonstrated no significant impact to the 24-hour PM₁₀ ambient air quality standard and demonstrated that no more than 4.4% of the 24-hour Class II maximum allowable increment for PM₁₀ is expected to be consumed.
- A preliminary modeling analysis conducted for the annual PM_{2.5} averaging period demonstrated no significant impact to the annual PM_{2.5} ambient air quality standard and that no more than 2.8% of the annual Class II maximum allowable increment for PM_{2.5} is expected to be consumed. A preliminary modeling analysis conducted for the 24-hour PM_{2.5} ambient air quality standard demonstrated no significant impact to the 24-hour PM_{2.5} ambient air quality standard and that no more than 12.0% of the 24-hour Class II maximum allowable increment for PM_{2.5} is expected to be consumed.

An analysis of visibility was conducted for Crawford State Park and Joplin Regional Airport. No Class I areas are located within 100 km of the facility. The VISCREEN model results indicate that the proposed project is not expected to have an adverse impact on visibility

in these areas. No adverse impacts on soils and vegetation in the area are expected. Any federal land manager who has reason to believe they may have a federal class I area adversely impacted by the emissions from the proposed project has the opportunity to present KDHE with a demonstration of the adverse impact on the air quality-related values of the federal class I area during the comment period.

A public comment period has been established to allow citizens the opportunity to express any concerns they may have about this proposed permitting action. The public comment period is to begin on May 2, 2013 and end at 5:00 pm on June 3, 2013. All comments should be submitted in writing to Larry D. Lowry, P.E., Bureau of Air, 1000 SW Jackson, Suite 310, Topeka, KS 66612-1366 or presented at the public hearing.

Any member of the public may request to hold a public hearing to receive comments on the proposed issuance of the draft air quality construction permit. A written request to hold a public hearing should be sent to the attention of Larry D. Lowry, P.E. at the address listed above, or by FAX to (785) 291-3953, and must be received by noon on May 27, 2013. **If no pertinent requests to hold the public hearing are received by this date and time, the public hearing will be cancelled. A notice of the cancellation will be posted at the KDHE website at http://www.kdheks.gov/bar/public_notice.html.**

If a pertinent request is received, a public hearing is tentatively scheduled by the KDHE at the Riverton Community Center, 7029 S.E. 70th Street, Riverton, KS 66770, on Thursday, June 6, 2013 beginning at 5:00 p.m. and continuing until audience members have an opportunity to submit comments.

If a hearing is conducted, all interested parties will be given a reasonable opportunity to present their views orally or by submission of written materials during the hearing. In order to give all parties an opportunity to present their views, it may be necessary to request that each participant limit oral presentations to a specific time limit.

Any individual with a disability may request accommodation in order to participate in the public hearing and may request the proposed materials in an accessible format. Requests for accommodation must be made no later than May 27, 2013 by contacting Larry D. Lowry at (785) 296-6281.

Copies of the proposed permit, permit application, all supporting documentation, and all information relied upon during the permit application review process are available for public review for a period of 30 days from the date of publication during normal business hours (8:00 AM to 5:00 PM) at the KDHE, Bureau of Air (BOA), 1000 SW Jackson, Suite 310, Topeka, KS 66612-1366. A copy of the proposed permit and all supporting documents can also be reviewed at the KDHE Southeast District Office, 1500 West 7th Street, Chanute, Kansas 66720-9701. To obtain or review the proposed permit and supporting documentation, contact Larry D. Lowry, P.E., (785) 296-6281, at the central office of the KDHE or Doug Cole, (620) 431-2390 at the Southeast District Office. The standard departmental cost will be assessed for any copies requested.

These same materials are available, free of charge, at the KDHE Bureau of Air website, <http://www.kdheks.gov/bar/index.html>.

Robert Moser, MD, Secretary

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