

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 new air quality construction permit and modification to an existing air quality construction permit. Sunflower Electric Power Corporation (Sunflower) has applied for an air quality construction permit in accordance with the provisions of K.A.R. 28-19-300 to initiate installation of a low NO_x combustion system comprised of low NO_x burners (LNB) and overfire air (OFA) combustion controls at the existing Holcomb Generating Station Unit 1 (H1). Carbon monoxide (CO), oxides of nitrogen (NO_x), particulate matter (PM), PM with a diameter less than 10 microns (PM₁₀), PM with a diameter less than 2.5 microns (PM_{2.5}), sulfur dioxide (SO₂), volatile organic compounds (VOC), lead, sulfuric acid mist (H₂SO₄), fluorides, hydrogen sulfide (H₂S), total reduced sulfur, and 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).

In addition to the new proposed PSD construction permit, KDHE has determined that a permit modification to the original PSD construction permit for Holcomb

Generating Station Unit 1, issued by the U.S. Environmental Protection Agency (EPA) on May 19, 1980, to reflect a change to the CO Emission limit. This proposed modification is due to Sunflower requesting approval to construct the new low NO_x combustion system on H1, and the resulting change to the air emission limit for CO.

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 Holcomb Generating Station Unit 1 project indicates that the emission rate of carbon monoxide exceeds the significance level. Sunflower conducted the required BACT analysis for CO. The department has reviewed Sunflower's BACT analysis and concurs with its finding that good combustion practices are BACT for CO.

An ambient impact analysis was performed on the potential air emissions of CO from the proposed low NO_x combustion system on H1. The CO screening modeling analysis demonstrated no significant impact on the 1-hour or 8-hour ambient air quality and that the emissions would not cause or contribute to any violation of ambient air standards. EPA has not established Class II maximum allowable increments for CO. Accordingly, no calculation of the potential consumption of increment is possible. No Class I areas are located within 100 km of the facility. Any federal land manager who has reason to believe he/she may have a Class I area adversely impacted by the emissions from the expansion project has the opportunity to present KDHE with analysis of the

adverse impact on the air quality-related values of that Class I area during the comment period. No adverse impacts on soils and vegetation in the area are expected.

A public comment period has been established to allow citizens the opportunity to express any concerns they may have about these proposed permitting actions. The public comment period is to begin on November 10, 2011 and end on December 12, 2011. All comments should be submitted in writing to Larry D. Lowry, 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 these draft air quality construction permits. Written request to hold a public hearing should be sent to the attention of Ms. Sharon Burrell at the address listed above or by FAX to (785) 291-3953 and must be received by noon on December 1, 2011.

If no requests to hold the public hearing are received by noon December 1, 2011, 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 request is received, a public hearing is tentatively scheduled at Garden City Community College, Joyce Auditorium, 801 Campus Drive, Garden City, KS, on December 14, 2011, from 5:00 p.m. to 7:00 p.m.

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 accommodations must be made no later than December 12, 2011.

Copies of the proposed permits, permit applications, 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. Also, a copy of the proposed permits and all supporting documentation, can be reviewed at the KDHE Southwest District Office, 302 West McArtor Road, Dodge City, KS 67801. To obtain or review the proposed permits and all supporting documentation, contact Larry D. Lowry, (785) 296-6281, at the central office of the KDHE, or contact the Air Quality District Representative, Ethel Evans, at (620) 356-1075, in the KDHE Southwest District Office. The standard departmental cost will be assessed for any copies requested.

The 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
Kansas Department of Health and Environment