

AIR QUALITY PERMIT NOTICE

Draft Title V Permit V-26-012

Subject to 401 KAR 51:017, Prevention of Significant Deterioration (PSD) and
Concerning the Construction and Operation of Electric Generating Units in Pulaski County,
Kentucky

East Kentucky Power Cooperative, Inc.
(John Sherman Cooper Power Station)
Source I.D.: 21-199-00005
Agency Interest: 3808

East Kentucky Power Cooperative, Inc (John Sherman Cooper Power Station) of 4775 Lexington Road, P.O. Box 707, Winchester, KY 40392 has applied to the Kentucky Division for Air Quality (Division) for a significant revision to and renewal of its Title V permit to construct and operate a fossil fuel-fired electric generation facility located at 670 Cooper Power Plant Road, Somerset, Kentucky. The plant is classified as a Title V major source due to its emissions of regulated air pollutants and hazardous air pollutants.

For the project, ambient air dispersion modeling was performed to determine the degree of increment consumption expected to occur, pursuant to 401 KAR 51:017. A Class II increment analysis for the emissions of PM₁₀ (24-hour and annual), PM_{2.5} (24-hour and annual), and NO_x (annual) is required for this permitting action. The following table lists the Class II PSD increment and increment consumed:

Pollutant	Averaging Period	Class II PSD Increment (µg/m ³)	Increment Consumed (µg/m ³)	Exceeds Increment?
PM ₁₀	24-hour	30	36.89	Yes
PM ₁₀	Annual	17	2.75	No
PM _{2.5}	24-hour	9	4.35	No
PM _{2.5}	Annual	4	0.43	No
NO _x	Annual	25	6.22	No

Modeled exceedances of the 24-hour PM₁₀ Class II PSD Increment were identified, so any receptors with impacts exceeding the increment from the first iteration were carried forward in a second “cause or contribute” iteration. In this cause or contribute analysis, post-project emissions from the Cooper facility do not cause or contribute to any of the modeled 24-hour PM₁₀ modeled exceedances.

Based on the CALPUFF modeling results, the predicted ambient impacts are below the Class I Significant Impact Levels (SILs) at all Class I areas within 300 km of the Cooper facility - Mammoth Cave National Park, Great Smoky Mountains National Park, Joyce Kilmer-Slickrock Wilderness Area, Cohutta Wilderness Area, Shining Rock Wilderness Area, and Linville Gorge Wilderness Area.

Official copies of the Division's draft permit and relevant supporting information are available for inspection by the public at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Public-Notices.aspx> and during normal business hours at the following locations:

Division for Air Quality, 300 Sower Boulevard, 2nd Floor, Frankfort, KY 40601 (502) 564-3999; and Division for Air Quality London Regional Office, 875 S. Main Street, London, KY 40741 (606) 330-2080

For a period of 30 days, the Division is soliciting comments on the draft permit. The first day of the 30-day period is the day this notice is posted on the public notice website above. A virtual public hearing has been scheduled on August 13, 2026 at 2:00 PM ET. If no one contacts the Division to request a public hearing before the close of business on August 10, 2026, it will be canceled. Information regarding the public hearing can be found on the public notice website at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Public-Notices.aspx>.

Comments and/or public hearing requests should be sent to Michelle McCloskey at 300 Sower Boulevard, 2nd Floor, Frankfort, KY 40601 or via email to AIRKentucky@ky.gov. Any person who requests a public hearing must state the issues to be raised in the hearing. All relevant comments will be considered in issuing the proposed permit. U.S. EPA has up to 45 days following issuance of the proposed permit to submit comments. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www2.epa.gov/caa-permitting/kentucky-proposed-title-v-permits>; shortly after the end of this 30-day comment period. Further information can be obtained by calling Stacie Daniels at (502) 782-1121.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services and provides, upon request, reasonable accommodation including auxiliary aides and services necessary to afford individuals an equal opportunity to participate in all programs and activities. Materials will be provided in alternate format upon request.