

**Public Notice**  
**Proposed Issuance of a State Construction Permit and**  
**Two Federal Prevention of Significant Deterioration Permits**  
**and Notice of Public Hearing for**  
**Southern Illinois Power Cooperative**

Southern Illinois Power Cooperative, 11543 Lake of Egypt Road, Marion has applied to the Illinois Environmental Protection Agency (Illinois EPA) for construction permits for three projects. The first project is a new solid fuel fired boiler to replace existing coal fired Units 1-3. The boiler will be designed to burn coal refuse and coal and would produce steam to serve the three existing steam turbines with a total nominal generating capacity of 120 MW. Emissions would be controlled by boiler design (fluidized bed combustion) and add-on selective noncatalytic reduction and filter systems. The company has also applied to construct two new simple cycle gas turbines, which would be fired with natural gas and fuel oil (as a backup fuel). These two projects are subject to the federal Prevention of Significant Deterioration (PSD) rules, 40 CFR 52.21, for their emissions of carbon monoxide (CO). Emissions of sulfur dioxide and nitrogen oxides from the plant would decrease and the increases in emissions of other pollutants are not significant. The company is also requesting a permit to add a Selective Catalytic Reduction (SCR) system to Unit 4. The addition of SCR to this existing coal and coal-refuse fired boiler is a pollution control project and is not subject to PSD.

The Illinois EPA will hold a public hearing on Wednesday, April 18, 2001 at 7:00 p.m. at the Marion High School Auditorium, 1501 S. Carbon Street in Marion. The hearing will be held by the Illinois EPA to receive comments and data and to answer questions from the public prior to making a final decision concerning the permit. Lengthy comments and questions should be submitted to the Illinois EPA in writing. Written comments must be postmarked by midnight, May 18, 2001. Comments need not be notarized and should be sent to the Illinois EPA Hearing Officer, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276.

Combustion controls are proposed as Best Available Control Technology (BACT) for CO emissions from the new boiler and turbines, as required by PSD. The analysis of CO air quality impacts required by PSD shows that the maximum predicted impacts are not significant.

Pollutant	Averaging Period	Maximum Impact (mg/m <sup>3</sup> )	Significant Impact Level (mg/m <sup>3</sup> )	Ambient Standard (mg/m <sup>3</sup> )
CO	1-Hour	0.109	2.0	40.0
	8-Hour	0.027	0.5	10.0

Persons wanting more information may review the Illinois EPA's project summary and draft permit at [www.epa.gov/region5/air/permits/ilonline.htm](http://www.epa.gov/region5/air/permits/ilonline.htm) (please look for the documents under All Permit Records, PSD, New). These documents along with the application may also be

reviewed at the Illinois EPA's offices at 2309 West Main Street in Marion, 618/993-7200 and 1340 North Ninth St., Springfield, (217/782-7027). Copies of the documents will be made available upon request.

For information or requests concerning the hearing, application or draft permit, please contact:

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217/782-2113, 217/782-9143 TDD