

Public Notice  
 Proposed Issuance of a federal Prevention of Significant Deterioration permit  
 and Notice of Public Hearing for Zion Energy L.L.C.

Zion Energy L.L.C. has applied to the Illinois Environmental Protection Agency (Illinois EPA) to construct an electrical generation facility to be located on West Ninth Street in Zion. The facility would use five natural gas fired turbines, in a simple cycle configuration, with five auxiliary boilers to generate steam to be injected into the turbine for power augmentation when needed. This facility would be a major new source of air emissions and therefore would be subject to the "Prevention of Significant Deterioration" (40 CFR 52.21) rules.

The Illinois Environmental Protection Agency (Illinois EPA) will hold a public hearing on Monday, August 14, 2000, at 7:00 p.m. at the Zion Park District, Shiloh Center, 2600 Emmaus Avenue in Zion. 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 August 30, 2000. Comments need not be notarized and should be sent to the Hearing Officer, see address below.

The hearing will be held under the provisions of Subpart A of the Illinois EPA's "Procedures for Permit and Closure Plans" 35 Ill. Adm. Code 166. All questions about the hearing procedure, requests for copies of the hearing rules, or requests for special needs interpreters should be directed to the contact listed below. Requests for special needs interpreters must be made by August 1, 2000.

The proposed project will be a major source of nitrogen oxides and carbon monoxide. The project is located in an area that is attainment for these emissions and is therefore subject to the Prevention of Significant Deterioration (PSD) rules. The Illinois EPA has determined that use of natural gas as the primary fuel, good combustion practices, and the use of low NO<sub>x</sub> burners or water injection constitutes Best Available Control Technology (BACT).

The analysis of air quality impacts from this project is required by the PSD rules. Maximum Predicted impacts are listed below.

Pollutant	Averaging Period	Maximum Predicted Impact <sup>1</sup> (µg/m <sup>3</sup> )	Significant Impact Level (µg/m <sup>3</sup> )	NAAQS (µg/m <sup>3</sup> )
NO <sub>x</sub>	Annual	0.39	1	100
PM <sub>10</sub>	24-Hour	6.31	5	150
	Annual	0.17	1	50
SO <sub>2</sub>	3-Hour	23.92	25	1,300
	24-Hour	9.08	5	365
	Annual	0.01	1	80

CO	1-Hour	135.06	2,000	40,000
	8-Hour	63.93	500	10,000

Persons wanting more information may obtain copies of the draft permit and project summary at [www.epa.gov/ARD-R5/permits/ilonline.htm](http://www.epa.gov/ARD-R5/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 Waukegan Public Library, 128 N. County St, Waukegan and at the Illinois EPA's offices at 1701 South First Avenue in Maywood, 708/338-7969 (please call ahead to assure that someone will be available to assist you) 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 permits, please contact:

Brad Frost, Community Relations Coordinator  
 Illinois Environmental Protection Agency  
 1021 North Grand Avenue, East  
 PO Box 19506  
 Springfield, Illinois 62794-9506  
 217/782-2113  
 217/782-9143 TDD

1-888/372-1996 (if using the toll free number, please leave a message with you name, phone number, the facility you are calling about and that the message is for Brad Frost).