

Public Notice

Iowa Department of Natural Resources

Notice is hereby given that the Iowa Department of Natural Resources (IDNR) has under review a Notice of MACT Approval under Sections 112(g) and 112(j) of the Clean Air Act and an application for Prevention of Significant Deterioration (PSD) air quality construction permits. Interstate Power and Light Company (IPL) submitted these applications for an existing facility located at 3001 East Main Street, Marshalltown, Iowa.

IPL is proposing to construct and operate a new 649 megawatt (net)/733.5 megawatt (gross) supercritical pulverized coal (SCPC) fired boiler at its existing Sutherland Generating Station (SGS) located in Marshalltown, Marshall County, Iowa. IPL is the Iowa utility subsidiary of the Alliant Energy Corporation. In addition to the coal-fired boiler, IPL is proposing to install ancillary equipment such as a natural gas-fired auxiliary boiler, an emergency generator, fire pumps, and material handling equipment.

Based upon the information provided by the applicant, IDNR has determined that the installation of the coal-fired boiler is considered "constructing a major source" under the 112(g) regulations. Also, the installation of the auxiliary boiler and gate station heater is subject to 112(j) of the regulations. The applications have met the requirements of 40 CFR 63 Subpart B as adopted by the IDNR by reference in 567 Iowa Administrative Code (IAC) 23.1(4)"b".

In addition, based upon the information provided by the applicant, IDNR has determined that according to the PSD regulations IPL's SGS facility is a "major stationary source". The permit application has met the requirements of 567 Iowa Administrative Code (IAC) Chapter 33.

Based upon the information submitted, this project results in predicted concentrations less than the applicable significant impact levels therefore, the National Ambient Air Quality Standards (NAAQS) analysis and the PSD increment consumption threshold analysis were not required. It is the Department's determination that the maximum modeled impacts from the increment consuming sources in this project are:

- PM₁₀ (fine particulate): 4.91 µg/m³ for the 24-hr standard and 0.87 µg/m³ for the annual standard
- SO₂ (Sulfur dioxide): 11.32 µg/m³ for the 3-hr standard, 3.52 µg/m³ for the 24-hr standard and 0.29 µg/m³ for the annual standard
- NO_x (Nitrogen oxides): 0.64 µg/m³ for the annual standard

An electronic copy of all the materials the applicant has submitted, the PSD permits, the Technical Support Document (Fact Sheet), the applications, and all other correspondence are available for public inspection on the Air Quality Bureau website at

<http://aq48.dnraq.state.ia.us:8080/airpermit/eecomment.jsp>.

In addition, copies of all of the materials are at the following locations:

- Marshalltown Library (105 West Boone Street, Marshalltown, IA 50158)
- Meskwaki Natural Resource Department (1826 340th St, Tama, IA 52339)
- EPA Region VII (901 N. 5th St., Kansas City, KS 66101)
- Iowa Department of Natural Resources (Air Quality Bureau, 7900 Hickman Road, Suite #1, Urbandale, IA 50322)

Two (2) public comment meetings will be held for the purpose of receiving written and oral comments. They will be held on:

- March 16, 2009 at the Iowa Veterans Home (Whitehill Chapel, 1501 Summit Street, Marshalltown, Iowa). There will be two (2) separate sessions in which the public can make oral or written comments. The sessions will run from 2:30 pm – 5 pm and 6:30 pm to 9 pm.
- March 17, 2009 at the Meskwaki Tribal Center (346 Meskwaki Road, Tama, IA 52339). There will be two (2) separate sessions in which the public can make oral or written comments. The sessions will run from 3 pm – 5 pm and 7 pm to 9 pm.

Comments at the public meetings will be limited to five (5) minutes in order to provide ample opportunity for all interested parties to comment. Any presentations given shall also include a hard copy in order to be included in the public record.

All comments not received at one of the public meetings shall be submitted in writing and must be submitted before 4:30 PM on the last day of the public comment period which will run from February 16, 2009 to March 20, 2009. Written and signed comments shall be directed to:

Christopher A. Roling, PE
Environmental Engineer Senior
Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road
Suite #1
Urbandale, Iowa 50322

Or emailed to: chris.roling@dnr.iowa.gov.

Any materials related to comments submitted by the public shall be included in full and not be incorporated by reference unless the material is already part of the administrative record or consists of State or Federal statutes and regulations, EPA documents of general applicability, or other available reference materials.

Upon a final decision on the project, all comments, Department responses, and the final documents will be available for public inspection at the Department address listed above and on the Air Quality Bureau website (<http://aq48.dnraq.state.ia.us:8080/airpermit/eebsd.jsp>). In addition, all comments, Department responses, and the final documents will be available at EPA Region VII, the Marshalltown Library, and the Meskwaki Tribe for a minimum of thirty (30) days after the final decision.