

Illinois Environmental Protection Agency

Proposed Issuance of a Construction Permit/PSD Approval
and Acid Rain and CAIR Permits to
Invenergy Nelson, LLC in Nelson

Invenergy Nelson, LLC, 1 S. Wacker Dr., Chicago, Illinois has applied to the Illinois EPA for a Construction Permit/PSD Approval for an electrical generation facility on Nelson Road at I-88, south of Nelson in Lee County. The facility would have two natural gas-fired combined cycle combustion turbines and associated heat recovery steam turbines. Construction of the facility was initiated in 2000 by LSP-Nelson Energy, which went bankrupt and did not complete construction. Based on its review of Invenergy's application, the Illinois EPA has made a preliminary determination that Invenergy is entitled to the requested permit.

The Illinois EPA is also proposing to issue Acid Rain and CAIR Permits for the facility. Illinois EPA issues Acid Rain Permits pursuant to Section 39.5(17)(b) of Illinois' Environmental Protection Act. The Acid Rain Permit requires Invenergy to hold SO₂ allowances for the actual SO₂ emissions from each unit. The CAIR Permit pursuant to 35 IAC Part 225, requires to hold SO₂ allowances, NO_x allowances, and NO_x ozone season allowances for the actual emissions of each unit.

The Illinois EPA is accepting comments prior to making a final decision on the applications. **Comments must be postmarked by midnight March 17, 2008.** If sufficient interest is expressed in this matter, a hearing may be held. Comments, questions and requests for information, should be directed to Brad Frost, Bureau of Air, Illinois EPA, Box 19506, Springfield, IL 62794-9506, phone 217/782-2113, TDD 217/782-9143.

Persons wanting more information may view the draft permits and project summary at www.epa.gov/region5/air/permits/ilonline.htm (please look under All Permit Records, PSD, New). These documents and the application may also be viewed at the Illinois EPA's offices at 1630 Fifth St. in Moline, 309/797-3341 and 1340 N. Ninth St., Springfield, 217/782-7027 (please call ahead to assure that someone will be available to assist you). Copies of the documents will be made available upon request.

The facility would be a major source under the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21, for emissions of nitrogen oxides (NO_x), carbon monoxide (CO), particulate matter (PM), volatile organic material (VOM) and sulfur dioxide (SO₂). As a major source under PSD, Invenergy must demonstrate that the facility would use Best Available Control Technology (BACT) for emissions of these pollutants. The Illinois EPA has determined that the facility would use BACT. The combustion turbines will be fired with natural gas and use low NO_x combustors, selective catalytic reduction, and good combustion practices to control emissions.

As required by PSD, Invenergy prepared air quality analyses for the facility. The analyses for NO₂, PM₁₀, SO₂ and CO show that the facility would not have significant impacts on air quality for these pollutants. The screening analysis to address potential impact on ozone air quality shows that the facility's emissions of VOM and NO_x would not cause a violation of the National Ambient Air Quality Standard for ozone.