

Public Notice  
Proposed Issuance of a Construction Permit to  
ExxonMobil Oil Corporation in Joliet

ExxonMobil Oil Corporation has applied for a construction permit from the Illinois Environmental Protection Agency (Illinois EPA) for a Crude/Coker Utilization Project (CCUP) at its refinery located at I-55 & Arsenal Road in Joliet. The Crude/Coker Utilization Project is a group of efficiency improvement and unit reliability projects which will improve the performance of existing equipment at the refinery. The proposed changes will not change the design capacity of the existing units, however, the throughput of several units is expected to increase above historical levels. The potential change in throughput of the Crude Unit will allow increases in throughput of downstream equipment with a resultant potential increase in emissions. The project is categorized as a major modification as defined by the federal Prevention of Significant Deterioration (PSD) rules, 40 CFR 52.21 and state rules 35 IAC 203: Major Stationary Source Construction and Modification (MSSCAM).

**The Illinois EPA is accepting comments prior to making a final decision on the permits. Comments must be postmarked by midnight September 14, 2005.** If sufficient interest is expressed in the permit, a hearing may be held. Requests for information, comments, and questions should be directed to Brad Frost, Division of Air Pollution Control, Illinois Environmental Protection Agency, PO. Box 19506, Springfield, Illinois 62794-9506, phone 217/782-2113, TDD phone number 217/782-9143.

Persons wanting more information may obtain copies of the draft permit, and project summary at [www.epa.gov/region5/air/permits/ilonline.htm](http://www.epa.gov/region5/air/permits/ilonline.htm) (please look under All Permit Records, Major NSR, New). These documents and the application can also be obtained from the Illinois EPA's offices at 9511 West Harrison in Des Plaines, 847/294-4000 and 1340 North Ninth St., Springfield, 217/782-7027 (for either location please call ahead to assure that someone will be available to assist you). Copies of the documents will be made available upon request.

The refinery is located in an area that is designated as not meeting federal air quality standards (non-attainment) for ozone and particulate matter smaller than 2.5 microns (PM<sub>2.5</sub>). Nitrogen Oxides (NO<sub>x</sub>) and volatile organic material (VOM) are regulated as precursors to ozone formation. The CCUP is subject to MSSCAM for emissions of nitrogen oxides and particulate matter. As such the facility must obtain nitrogen oxide and particulate matter emission reductions from another facility to offset the emissions generated by this project. The company will obtain 752.9 tons of nitrogen oxide offsets and 106.0 tons of PM<sub>2.5</sub> offsets. The project is not subject to Lowest Achievable Emission Rate (LAER) because there is not a physical change to the equipment or a change to the method of operation of the equipment being proposed.

The refinery is located in an area that meets federal air quality standards (attainment) for carbon monoxide and nitrogen oxides. The project is subject to the federal PSD

regulations, 40 CFR 52.21, for emissions of carbon monoxide and nitrogen oxides. The project is not subject to Best Achievable Control Technology (BACT) because there is not a physical change to the equipment or a change to the method of operation of the equipment being proposed.

ExxonMobil also performed air quality modeling as required by the federal PSD regulations. The modeled impacts were below significance levels for all pollutants modeled.