

## **PUBLIC HEARING ON**

### **MISSOURI STATE IMPLEMENTATION PLAN REVISION – REDESIGNATION REQUEST AND MAINTENANCE PLAN FOR THE 2010 SULFUR DIOXIDE STANDARD JEFFERSON COUNTY NONATTAINMENT AREA**

The Missouri Department of Natural Resources' Air Pollution Control Program is proposing to amend the Missouri State Implementation Plan (SIP).

This SIP revision addresses redesignation requirements for the Jefferson County nonattainment area under the 2010 1-hour sulfur dioxide (SO<sub>2</sub>) National Ambient Air Quality Standard (NAAQS), per the Clean Air Act (CAA). A portion of Jefferson County was designated nonattainment by the U.S. Environmental Protection Agency (EPA) on August 5, 2013, and monitoring data for 2013-2015 show the area has attained the standard of 75 parts per billion. The SIP revision includes a maintenance plan to demonstrate Jefferson County will continue to meet the standard in future years as outlined in emission inventory projections, contingency measures, and general conformity requirements. Redesignation to attainment will occur when EPA gives final approval of this plan.

The complete plan is not reprinted in the briefing document due to its volume, but the Executive Summary is included for reference. The entire plan is available for review at the Missouri Department of Natural Resources' Air Pollution Control Program, 1659 East Elm Street, Jefferson City, Missouri 65101, (573) 751-4817. It is also available online at <http://dnr.mo.gov/env/apcp/stateplanrevisions.htm>

If the commission adopts this plan, the department intends to submit it to the U.S. Environmental Protection Agency for inclusion in the Missouri State Implementation Plan.

## **Executive Summary**

This plan demonstrates how the air program will maintain the 2010 1-hour sulfur dioxide (SO<sub>2</sub>) National Ambient Air Quality Standard (NAAQS). This plan is referred to as a “maintenance plan” and specifically focuses on the Jefferson County SO<sub>2</sub> nonattainment area for the 10 year period ending in 2029.

On August 5, 2013, the EPA designated a portion of Jefferson County, Missouri as nonattainment based on air quality data from 2007-2009 that indicated a violation of the 2010 SO<sub>2</sub> NAAQS at the Herculanum Mott Street monitor (78 FR 47191; August 5, 2013). Since then, ambient air monitoring data from 2013-2015 at the same monitor shows that the air quality in the area is now 12% below the standard. Additional monitors have been deployed in the area and data from these monitors have shown that the air quality is less than half of the standard to date. Based on this information, the air program is requesting EPA redesignate the area to attainment.

The Clean Air Act requires EPA approval of a state’s maintenance plan as meeting the minimum requirements set in the Clean Air Act (Section 175A) prior to redesignating any nonattainment area to attainment. As such the air program has developed this maintenance plan to address these minimum requirements. The plan identifies improvement in air quality as attributable to the permanent and enforceable emissions reductions at the Doe Run primary lead smelter in Herculanum and strengthened stack emission limitations for three Ameren Missouri Energy Center facilities. The plan also provides for maintaining clean air in the area for at least 10 years after the redesignation, or the maintenance period. This includes the operation of an ambient SO<sub>2</sub> monitoring network for the Ameren Missouri Rush Island Energy Center, located within the Jefferson County SO<sub>2</sub> nonattainment area, to verify NAAQS maintenance even as the nonattainment area design value continues to decrease in magnitude. Contingency measures are included in the event that air quality issues arise.

Since the Jefferson County nonattainment area is attaining the 2010 1-hour SO<sub>2</sub> standard, the air program is requesting EPA approve this plan and redesignate the area to attainment.