



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
901 NORTH 5TH STREET
KANSAS CITY, KANSAS 66101

OFFICE OF
REGIONAL ADMINISTRATOR

JUN 11 2010

Mr. Mark Templeton
Director
Missouri Department of Natural Resources
PO Box 176
Jefferson City, Missouri 65102

Dear Mr. Templeton:

Thank you for your recommendations on air quality designations for the revised National Ambient Air Quality Standards (NAAQS) for lead throughout Missouri. Reducing levels of lead pollution is an important part of the U.S. Environmental Protection Agency's (EPA's) commitment to a clean, healthy environment. Lead exposure can cause a range of adverse health effects, most notably in children. Exposures to low levels of lead early in life have been linked to effects on IQ, learning, memory and behavior. This letter is to notify you of EPA's response to Missouri's designation recommendations, and to inform you of our approach for completing the designations for the revised lead NAAQS.

On October 15, 2008, EPA substantially strengthened NAAQS for lead. The new standard, set at 0.15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), is 10 times tighter than the previous standard. In conjunction with strengthening the lead NAAQS, EPA also established new criteria for siting ambient lead monitors. The pre-existing ambient lead monitoring network was inadequate for determining whether many areas are meeting the revised lead NAAQS. Monitors meeting the new network siting requirements were to begin operation January 1, 2010.

The Clean Air Act (CAA) requires EPA to complete the initial designation process within two years of promulgating a new or revised NAAQS. If the Administrator has insufficient information to make these designations, EPA has the authority to extend the designation process by up to one year. In light of the new monitoring network which will generate additional information in the upcoming year, EPA intends to complete the lead designations in two rounds. In the first round, to be completed by October 15, 2010, EPA is designating as "nonattainment" any area that is violating the 2008 lead NAAQS based on data from the pre-2010 monitoring network. For all other areas, EPA is extending the deadline for designations by up to one year so that data from the newly deployed monitors can be considered in making appropriate designation decisions. EPA will complete the second round of lead designations no later than October 15, 2011.

Consistent with the Clean Air Act, and after carefully considering Missouri's December 28, 2009, recommendation letter and all the associated technical information for the 2008 lead NAAQS, including the most recent air quality data from 2007-2009, EPA is proposing to adopt

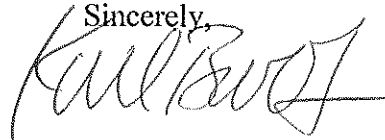
Missouri's recommended nonattainment designations and boundaries for portions of Jefferson and Iron, Dent and Reynolds counties. These areas will be re-evaluated and can be expanded in the second round of designations, taking into consideration all newly available data and information. The attached draft Technical Support Document provides a detailed analysis that supports our preliminary decisions.

If your state has additional information that you want EPA to consider with respect to a designation recommendation, please submit it to us by August 16, 2010. We are also making EPA's preliminary designation decisions and supporting documentation available to the general public for review. We are accepting public comments on our preliminary decisions through August 16, 2010. We will review any information we receive from the State of Missouri and the general public by this date, and we plan to promulgate the first round of final designations by October 15, 2010.

For all other areas in Missouri, EPA is deferring the designations decisions for up to one additional year so that additional lead air quality data can be collected. If you would like to submit updated recommendations for those areas for our consideration in the second round of designations, we request that you do so by December 15, 2010. For the second round of designations, we will notify states and tribes of our preliminary responses to their recommendations by no later than June 17, 2011.

We look forward to a continued dialogue with you and your staff as we work together to implement the 2008 lead NAAQS. Should you have any questions, please do not hesitate to call me, or have your staff contact Ms. Rebecca Weber of my staff at (913) 551-7487.

Sincerely,



Karl Brooks
Regional Administrator

Enclosure

cc: James L. Kavanaugh
Director, Air Pollution Control Program
Department of Natural Resources

Gina McCarthy, Assistant Administrator for Air and Radiation
U. S. Environmental Protection Agency Headquarters

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