



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET  
ATLANTA, GEORGIA 30303-8960

**JUN 14 2010**

The Honorable Steve Beshear  
Governor, Commonwealth of Kentucky  
State Capitol, Suite 100  
700 Capital Avenue  
Frankfort, Kentucky 40601

Dear Governor Beshear:

Thank you for your recommendations on air quality designations for the revised National Ambient Air Quality Standards (NAAQS) for lead throughout the Commonwealth of Kentucky (Commonwealth). 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 Kentucky'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 the NAAQS for lead. The new standards, set at 0.15 micrograms per cubic meter, are 10 times tighter than the previous standards. 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, because it may not have covered all areas. Monitors meeting the new network siting requirements were to begin operation on January 1, 2010.

The Clean Air Act 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.

We have reviewed Kentucky's October 5, 2009, recommendation letter on air quality designations and all the associated technical information for the 2008 lead NAAQS, including, if

available, the most recent air quality data from 2007-2009. However, EPA is not intending to complete the initial area designations for the Commonwealth at this time because data from the newly deployed monitors needs to be considered for unclassifiable, attainment and possible nonattainment designations. Instead, EPA intends to designate all areas in the Commonwealth by no later than October 15, 2011, in the second round of lead designations. If you would like to submit updated recommendations for your 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 all 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 contact me at (404) 562-8357, or have your staff contact Kenneth R. Lapierre, Acting Director, Air, Pesticides and Toxics Management Division, at 404-562-9077.

Sincerely,



A. Stanley Meiburg  
Acting Regional Administrator

cc: Mr. Leonard K. Peters  
Secretary, Energy and Environment Cabinet

Mr. Bruce Scott  
Commissioner, Energy and Environment Cabinet

Mr. John Lyons  
Director, Division of Air Quality