



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 4  
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ATLANTA, GEORGIA 30303-8960

AUG 19 2014

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

Dear Governor Beshear:

Thank you for the letter dated December 5, 2013, from Leonard K. Peters, Secretary, Kentucky Energy and Environment Cabinet, providing your recommendations of air quality designations for the 2012 revised primary annual fine particle (PM<sub>2.5</sub>) National Ambient Air Quality Standard (NAAQS) throughout Kentucky. I appreciate the information Kentucky shared with the U.S. Environmental Protection Agency as we move forward to improve PM<sub>2.5</sub> air quality. This letter is to notify you of the EPA's preliminary response to Kentucky's recommendation and to inform you of our approach for completing the initial area designations for the 2012 revised primary annual PM<sub>2.5</sub> standard.

On December 14, 2012, the EPA promulgated a revised primary annual PM<sub>2.5</sub> NAAQS (78 FR 3086, January 15, 2013). In that action, the EPA revised the primary annual PM<sub>2.5</sub> standard, strengthening it from 15.0 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to 12.0  $\mu\text{g}/\text{m}^3$ ; retained the existing 24-hour PM<sub>2.5</sub> standard at 35  $\mu\text{g}/\text{m}^3$ ; retained the existing 24-hour PM<sub>10</sub> (coarse particle) standard at 150  $\mu\text{g}/\text{m}^3$ ; and retained the current suite of secondary PM standards. The EPA revised the primary annual PM<sub>2.5</sub> standard based on an integrated assessment of an extensive body of new scientific evidence, which substantially strengthens our body of knowledge regarding PM<sub>2.5</sub>-related health effects. The revised primary annual PM<sub>2.5</sub> standard will provide increased protection for children, older adults, persons with pre-existing heart and lung disease, and other at-risk populations against an array of PM<sub>2.5</sub>-related adverse health effects, including premature mortality, increased hospital admissions and emergency department visits, and development and exacerbation of chronic respiratory disease.

History shows us that better health and cleaner air go hand-in-hand with economic growth. Working closely with the states and tribes, the EPA is implementing the standards using a commonsense approach that improves air quality and minimizes the burden on state, local, and tribal governments. As part of this routine process, the EPA is working with the states and tribes to identify areas in the country that meet the standards and those that need to take steps to reduce PM<sub>2.5</sub> air pollution. Within one year of promulgating a new or revised air quality standard, the Clean Air Act (CAA) requires the Governor of each state to submit to the EPA a list of all areas in the state, with a designation recommendation for each area. As a first step in implementing the 2012 annual PM<sub>2.5</sub> standard, Governors were to submit their designation recommendations, including appropriate area boundaries, by December 13, 2013.

As required by the CAA, the EPA then promulgates designations for all areas across the country. The EPA designates an area as "nonattainment" if it is violating the 2012 annual PM<sub>2.5</sub> NAAQS or if it is contributing to a violation of the NAAQS in a nearby area. Consistent with designations for previous

PM<sub>2.5</sub> standards, the EPA intends to use a designation category of “unclassifiable/attainment” for areas that are monitoring attainment or do not have monitors, but for which the EPA has reason to believe are likely attaining the NAAQS and are not contributing to nearby violations. Additionally, the EPA intends to designate as “unclassifiable” those areas where the EPA cannot determine based on available information whether the area is meeting the NAAQS or where EPA has not determined that the area contributes to a nearby violation. At this time, the EPA is proceeding with intended initial area designations for most areas using quality-assured, certified air quality monitoring data for most areas from 2011 to 2013.

After considering Kentucky’s December 5, 2013, annual PM<sub>2.5</sub> designation recommendations and other relevant technical information, including 2011–2013 air quality data, the EPA intends to modify Kentucky’s recommended area designation from attainment or attainment/unclassifiable to nonattainment for portions of Boone, Campbell, and Kenton Counties in the Northern Kentucky area and for Jefferson County and a portion of Bullitt County in the Louisville area. A Technical Support Document, which provides a detailed analysis to support the EPA’s preliminary decision to designate the aforementioned areas as nonattainment, is enclosed and is also available on the EPA’s website at <http://www.epa.gov/pmdesignations/2012standards/state.htm>. The EPA will continue to work with Commonwealth officials regarding the appropriate boundaries for these areas in Kentucky. If Kentucky has additional information for the EPA to consider, please submit it to us by October 29, 2014. The EPA intends to designate all other areas in the Commonwealth as unclassifiable/attainment.

The EPA will make its preliminary designation decisions and supporting documentation available to the general public for review and comment. We will be announcing a 30-day public comment period shortly in the *Federal Register*. After considering the additional information we receive, the EPA plans to promulgate final annual PM<sub>2.5</sub> designations in December of 2014.

The EPA is committed to working with the states and tribes to share the responsibility of reducing PM<sub>2.5</sub> air pollution. Current and upcoming federal standards and safeguards - including pollution reduction rules for power plants, vehicles, and fuels - will ensure steady progress to reduce PM<sub>2.5</sub>-forming pollution and will protect public health in communities across the country. We look forward to a continued dialogue with you and your staff as we work together to implement the 2012 annual PM<sub>2.5</sub> standard. Should you have any questions, please do not hesitate to contact me at (404) 562-8357, or Beverly H. Banister, Director, Air Pesticides and Toxics Management Division, at (404) 562-9077, or have your staff contact Scott Davis, Chief, Air Planning Branch, at (404) 562-9127.

Sincerely,

  
Heather McTeer Toney  
Regional Administrator

cc: Leonard K. Peters, Secretary, KEEC  
Sean Alteri, Director, Kentucky Department of Air Quality  
Janet G. McCabe, Acting Assistant Administrator for Air and Radiation  
Stephen D. Page, Director, Office of Air Quality Planning and Standards