



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7  
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AUG 19 2014

OFFICE OF  
THE REGIONAL ADMINISTRATOR

The Honorable Jeremiah W. Nixon  
Governor of Missouri  
P.O. Box 720  
Jefferson City, Missouri 65102

Dear Governor Nixon:

Thank you for your recommendation dated December 10, 2013, of air quality designations for the 2012 revised primary annual fine particle National Ambient Air Quality Standard throughout Missouri. I appreciate the information Missouri 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 Missouri'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 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 Clean Air Act, 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



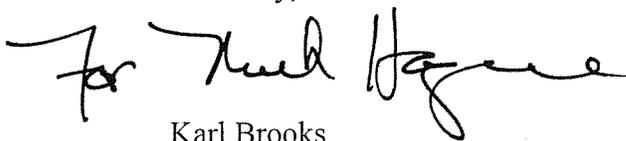
previous PM<sub>2.5</sub> standards, the EPA intends to use a designation category of “unclassifiable/attainment” for areas that are monitoring attainment or do not have monitors, but for which the EPA has reason to believe are likely attainment and are not contributing to nearby violations. Additionally, 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 using quality-assured, certified air quality monitoring data from 2011 to 2013.

We have considered the annual PM<sub>2.5</sub> designation recommendation submitted by Missouri on December 10, 2013, and have reviewed the relevant technical information, including 2011–2013 air quality data. These data do not indicate any violation of the 2012 annual PM<sub>2.5</sub> NAAQS in Missouri. However, a recent EPA-conducted technical systems audit of Illinois’ monitoring program revealed data completeness issues for the State of Illinois which affects Missouri areas/counties. Because of these data completeness issues, the EPA cannot determine whether the counties with the incomplete monitoring data are meeting or not meeting the NAAQS or whether counties nearby to those counties with incomplete monitoring data contribute to a nearby violation. Accordingly, the EPA intends to modify Missouri’s recommended area designation and designate St. Louis area counties including Franklin, Jefferson, St. Louis, St. Louis City and St. Charles counties as unclassifiable. The EPA intends to designate the remainder of Missouri as unclassifiable/attainment. A Technical Support Document, which provides additional detail regarding the status of data for Missouri and the rationale to support the EPA’s unclassifiable designation, is available on the EPA’s website at <http://www.epa.gov/pmdesignations/2012standards/state.htm>. If Missouri has additional information for the EPA to consider, please submit it to us by October 29, 2014.

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, or have your staff contact Becky Weber of my staff at 913-551-7487 or [weber.rebecca@epa.gov](mailto:weber.rebecca@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Karl Brooks". The signature is written in a cursive, flowing style.

Karl Brooks

cc: Sara Parker Pauley, Director, Missouri Department of Natural Resources