



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

AUG 19 2014

REPLY TO THE ATTENTION OF:

The Honorable Pat Quinn
207 Statehouse
Springfield, Illinois 62706

Dear Governor Quinn:

Thank you for your recommendations dated December 12, 2013, of air quality designations for the 2012 revised primary annual fine particle (PM_{2.5}) National Ambient Air Quality Standard (NAAQS) throughout Illinois. I appreciate the information Illinois shared with the U.S. Environmental Protection Agency as we move forward to improve PM_{2.5} air quality. This letter is to notify you of EPA's preliminary response to Illinois' recommendations and to inform you of our approach for completing the initial area designations for the 2012 revised primary annual PM_{2.5} standard.

On December 14, 2012, EPA promulgated a revised primary annual PM_{2.5} NAAQS (78 FR 3086, January 15, 2013). In that action, EPA revised the primary annual PM_{2.5} 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_{2.5} standard at 35 $\mu\text{g}/\text{m}^3$; retained the existing 24-hour PM₁₀ (coarse particle) standard at 150 $\mu\text{g}/\text{m}^3$; and retained the current suite of secondary PM standards. EPA revised the primary annual PM_{2.5} standard based on an integrated assessment of an extensive body of new scientific evidence, which substantially strengthens our body of knowledge regarding PM_{2.5}-related health effects. The revised primary annual PM_{2.5} 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_{2.5}-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, 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 process, 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_{2.5} air pollution. Within one year of promulgation of a new or revised air quality standard, the Clean Air Act requires the Governor of each state to submit to 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_{2.5} standard, Governors were to submit their designation recommendations, including appropriate area boundaries, by December 13, 2013.

As required by the Clean Air Act, EPA then promulgates designations for all areas across the country. EPA designates an area as “nonattainment” if it is violating the 2012 annual PM_{2.5} NAAQS or if it is contributing to a violation of the NAAQS in a nearby area. Consistent with designations for previous PM_{2.5} standards, EPA intends to use a designation category of “unclassifiable/attainment” for areas that are monitoring attainment or do not have monitors, but for which EPA has reason to believe are likely attainment and are not contributing to nearby violations. Additionally, EPA intends to designate as “unclassifiable” those areas where 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, EPA is proceeding with initial area designations using quality-assured, certified air quality monitoring data from 2011 to 2013.

EPA has reviewed the annual PM_{2.5} designation recommendations submitted by Illinois on December 12, 2013, and other relevant technical information, including 2011–2013 air quality data. However, a recent EPA-conducted technical systems audit of Illinois’ monitoring program, in particular our audit of the procedures that the Cook County Department of Environmental Control has used in weighing PM_{2.5} samples collected across the state, revealed that many if not all of the recent PM_{2.5} monitoring data for the entire State of Illinois needed to be considered invalid. As a result, EPA does not have sufficient valid data to determine whether any portion of Illinois is meeting or not meeting the NAAQS or whether counties nearby to those counties with incomplete monitoring data contribute to a nearby violation. Accordingly, EPA intends to modify Illinois’ recommended area designation and designate the State of Illinois as unclassifiable. A Technical Support Document, which provides additional detail regarding the status of data for Illinois and the rationale to support EPA’s unclassifiable designation, is enclosed and is also available on EPA’s website at <http://www.epa.gov/pmdesignations/2012standards/state.htm>. If Illinois has additional information for EPA to consider, please submit it to us by October 29, 2014.

EPA will make its proposed 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, EPA plans to promulgate final annual PM_{2.5} designations in December of 2014.

EPA is committed to working with the states and tribes to share the responsibility of reducing PM_{2.5} 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_{2.5}-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_{2.5} standard. If you any questions, please contact me or your staff may contact Ronna Beckmann or Eileen Deamer, the Region 5 Intergovernmental Liaisons, at (312) 886-3000.

Sincerely,



Susan Hedman
Regional Administrator

Enclosures

cc: Lisa Bonnett
Director, Illinois Environmental Protection Agency

Julie Armitage
Chief, Bureau of Air
Illinois Environmental Protection Agency