



STATE OF MAINE  
OFFICE OF THE GOVERNOR  
1 STATE HOUSE STATION  
AUGUSTA, MAINE  
04333-0001

Paul R. LePage  
GOVERNOR

October 18, 2013

Mr. Curtis Spalding, Regional Administrator  
USEPA Region I New England  
5 Post Office Square  
Mail Code: OSA01-4  
Boston, MA 02109-3912

**RE: Maine's Area Designation Recommendation for the 2012 Revised Primary  
Annual Fine Particle National Ambient Air Quality Standard**

Dear Administrator Spalding:

I am pleased to submit Maine's recommended designation for the 2012 revised primary annual fine particulate matter (PM<sub>2.5</sub>) National Ambient Air Quality Standard (NAAQS). Section 107(d)(1)(A) of the Clean Air Act (CAA) provides up to one year after adoption of new or revised NAAQS for states to submit recommendations identifying areas that violate or contribute to nearby violations of the revised NAAQS.

Maine's Department of Environmental Protection (MEDEP) has monitored PM<sub>2.5</sub> as prescribed by 40 CFR Part 58. Monitored data demonstrates compliance and is summarized in the Technical Support Document for Maine's Recommendation for the 12.0 µg/m<sup>3</sup> annual PM<sub>2.5</sub> NAAQS.

Consistent with Section 107(d)(1)(A) of the CAA and EPA guidance, Maine recommends that the entire state of Maine be designated as "attainment" for the annual PM<sub>2.5</sub> NAAQS.

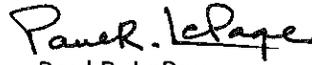
Thank you for your consideration of this recommendation. I have asked Marc Cone, Director of the Bureau of Air Quality, to be available (207) 287-1932 to answer any questions you may have regarding the recommended designation and PM<sub>2.5</sub> monitoring strategy.



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Letter to Mr. Curtis Spalding  
October 18, 2013  
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Sincerely,

A handwritten signature in black ink that reads "Paul R. LePage". The signature is written in a cursive style with a large, stylized "P" and "L".

Paul R. LePage  
Governor

Cc: Congressional Delegation  
Dave Conroy, U.S. EPA Region  
Alison Simcox, U.S. EPA Region 1  
Patricia Aho, Maine DEP  
Marc Cone, Maine DEP

# TECHNICAL SUPPORT DOCUMENT

## State of Maine's Recommendations for the Primary Annual PM<sub>2.5</sub> NAAQS Attainment Designations

### 1. INTRODUCTION

The State of Maine recommends the entire state be designated as 'attainment' for the Primary Annual PM<sub>2.5</sub> National Ambient Air Quality Standard (NAAQS). This document summarizes technical analyses used to formulate this decision. The recommendations contained in this document meet requirements of Section 107(d) of the Clean Air Act (CAA).

### 2. RATIONALE FOR ATTAINMENT CLASSIFICATION

The National Ambient Air Quality Standards for Particulate Matter final rule, as published in the Federal register on January 15, 2013, requires quality assured monitored data. The State of Maine is recommending that the entire state be designated attainment based on an analysis of certified, quality assured 2010 to 2012 data which was downloaded from AQS on May 6, 2013. Data analyses met all applicable handling conventions as prescribed in sections 3 and 4 of Appendix N to 40 CFR Part 50 "Interpretation of the NAAQS for PM<sub>2.5</sub>".

Table 1 summarizes PM<sub>2.5</sub> quality assured monitoring data from locations in Maine (see Figure 1). The Lewiston monitor is located in the parking lot of the Country Kitchen bakery on Canal St. Presque Isle's monitor site is on Riverside Drive in a parking lot in downtown Presque Isle. Portland is Maine's largest city and has two monitoring sites: one at Tukey's Bridge and the other at Deering Oaks. The McFarland Hill site is located in Acadia National Park. In Augusta, the site is on the roof of the Lincoln Street School. In Rumford, the monitor is located in a paper mill employee parking lot off Rumford Avenue. Bangor's monitor is located on a roof at the Kenduskeag Stream Pump Station at the Bangor Treatment plant. The Greenville monitoring site was located in a small clearing on private property. These sites are all operated by the MEDEP.

### 3. RECOMMENDED ATTAINMENT AREAS IN MAINE

Maine's PM<sub>2.5</sub> monitoring data demonstrates compliance with the Primary Particulate Matter NAAQS. Therefore, the State of Maine respectfully recommends that the entire state be designated Attainment for the Primary Annual PM<sub>2.5</sub> NAAQS.

<b>Table 1: Valid Annual Mean and Design Value for PM<sub>2.5</sub></b>				
Site Name	2007 – 2009 Design Value	2008 – 2010 Design Value	2009 – 2011 Design Value	2010 – 2012 Design Value
Lewiston	8.3	7.8	7.5	7.5
Presque Isle	7.3	7.1	6.7	6.6
Portland Tukey's Bridge	9.1	8.4	8.2	8.4
Portland Deering Oaks	n/a	8.1	8.0	8.2
McFarland Hill	4.8	4.4	4.5	4.6
Augusta	8.2	7.5	7.3	7.1
Rumford	8.6	8.2	8.2	8.2
Bangor	7.9	7.4	7.3	7.3
Greenville	5.6	5.3	n/a	n/a
<b>Statewide Maximum</b>	<b>9.1</b>	<b>8.4</b>	<b>8.2</b>	<b>8.4</b>

\*"n/a" indicates that monitor wasn't operating long enough during that design value period to generate a design value.



Figure 1: Maine's PM<sub>2.5</sub> Monitors

