



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



STEVEN E. CHESTER
DIRECTOR

October 9, 2009

Mr. Bharat Mathur, Acting Regional Administrator
U.S. Environmental Protection Agency
Region 5
77 West Jackson Boulevard (R-19J)
Chicago, Illinois 60604-3507

Dear Administrator Mathur:

SUBJECT: Recommended Designations for the Revised Lead National Ambient Air Quality Standard (NAAQS)

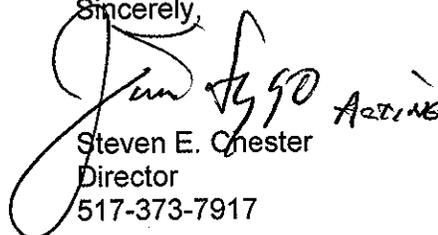
The U.S. Environmental Protection Agency (U.S. EPA) revised the lead NAAQS on October 15, 2008, to provide increased protection from adverse health effects associated with exposure to lead. The new primary and secondary lead standard was lowered from 1.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to 0.15 $\mu\text{g}/\text{m}^3$. In accordance with Section 107(d)(1) of the Clean Air Act, the Michigan Department of Environmental Quality (MDEQ) is recommending designations for all areas in Michigan for the revised lead NAAQS.

Michigan has one remaining lead ambient air quality monitoring site in operation, as the network has been significantly pared in recent years in response to budgetary pressures. The most recent three years of data (2006-2008) at the Dearborn monitor in Wayne County is attaining the new lead standard with a maximum level of 0.031 $\mu\text{g}/\text{m}^3$. Additional lead monitors were operational for the period 2005-2007. The maximum three-month rolling average at all monitors in Wayne County and monitors in Kent, Washtenaw, Genesee, and Missaukee Counties were well below the revised lead NAAQS. Therefore, based on the most recent monitoring data, the MDEQ recommends designations of Attainment for these counties, and Unclassifiable for all other counties in the state as listed in the attached table. Consistent with the U.S. EPA's guidance memorandum of August 21, 2009, the recommended boundaries for all areas should be the county boundaries.

Additional monitors, both source-oriented and population-oriented, will be established by January 1, 2010, as described in Michigan's 2010 Ambient Air Monitoring Network Review, to meet new monitoring requirements for this revised lead NAAQS.

Thank you for your consideration of Michigan's recommendations. If you have any questions regarding this recommendation, please contact Mr. G. Vinson Hellwig, Chief, Air Quality Division, at 517-373-7069.

Sincerely,


Steven E. Chester
Director
517-373-7917

Attachment

cc: Ms. Cheryl Newton, U.S. EPA
Mr. John Mooney, U.S. EPA
Mr. Jim Sygo, Deputy Director, MDEQ
Mr. G. Vinson Helliwig, MDEQ
Ms. Mary Maupin, MDEQ

MDEQ Recommended Designations for the 2006 Lead NAAQS

| Area | Monitor Site | Most Recent Data | Max. 3-Month Rolling Avg. ($\mu\text{g}/\text{m}^3$) | Recommended Designation |
|----------------------|--------------|------------------|--|-------------------------|
| Wayne County | | | | Attainment |
| Dearborn | 26-163-0033 | 2006-2008 | 0.031 | |
| Allen Park | 26-163-0001 | 2005-2007 | 0.011 | |
| River Rouge | 26-163-0005 | 2005-2007 | 0.020 | |
| Detroit-W. Fort | 26-163-0015 | 2005-2007 | 0.109 | |
| Detroit-E. 7 Mile | 26-163-0019 | 2005-2007 | 0.016 | |
| Detroit-W. Jefferson | 26-163-0027 | 2005-2007 | 0.030 | |
| Kent County | 26-081-0020 | 2005-2007 | 0.011 | Attainment |
| Washtenaw County | 26-161-0008 | 2005-2007 | 0.012 | Attainment |
| Genesee County | 26-049-0021 | 2005-2007 | 0.013 | Attainment |
| Missaukee County | 26-113-0001 | 2005-2007 | 0.006 | Attainment |
| All other counties | | No data | | Unclassifiable |