



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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January 25, 2011

Ms. Susan Hedman  
Regional Administrator  
U.S. Environmental Protection Agency  
Region 5  
77 West Jackson Boulevard  
Chicago, IL 60604-3950

Re: Request for Redesignation Petition and  
Maintenance Plan for the Indiana Portion  
(Lawrenceburg Township, Dearborn  
County) of the Cincinnati-Hamilton, OH-  
KY-IN Fine Particle Nonattainment Area

Dear Ms. Hedman:

The Indiana Department of Environmental Management (IDEM) submits a Redesignation Petition and Maintenance Plan for the Indiana portion (Lawrenceburg Township, Dearborn County) of the Cincinnati-Hamilton, OH-KY-IN Area, which was designated as nonattainment of the annual standard for fine particles on April 5, 2005. IDEM conducted a public hearing concerning the Redesignation Petition and Maintenance Plan on January 5, 2011, and the public comment period concluded on January 7, 2011.

This submittal documents the public review process, including a detailed summary of and response to substantive comments.

The attached document consists of the following:

***Redesignation Petition and Maintenance Plan***

- A formal request that the Indiana Portion (Lawrenceburg Township, Dearborn County) of the Cincinnati-Hamilton, OH-KY-IN Area be redesignated to attainment and reclassified as maintenance. It contains and meets the requirements set forth in Section 107 of the Clean Air Act and in U.S. EPA Redesignation Guidance.
- A maintenance year of 2021 is established and 2015 is analyzed as an interim year.
- The appendices of the document contain historical air quality trend data, projected emission inventory data and thorough documentation of the mobile emissions analysis.
- A summary of, and response to, all comments.

***Motor Vehicle Emissions Budgets***

- Contained in the Redesignation Petition is a new Motor Vehicle Emissions Budget for 2010 and 2021. The Ohio-Kentucky-Indiana Regional Council of Governments (OKI)'s travel demand forecasting model and the United States Environmental Protection Agency (U.S. EPA)'s software program referred to as Motor Vehicle Emission Simulator (MOVES) were used to determine emissions for the annual fine particle nonattainment area.
- A conservative margin of safety was applied to the 2010 and 2021 projected emissions.
- The travel demand model was updated with the best available assumptions.
- Vehicle registration data gathered from the Indiana Bureau of Motor Vehicles were used to replace the MOVES default vehicle age distribution.

IDEM requests that the U.S. EPA proceed with review and approval of this submittal. If you have any questions or need additional information, please contact Scott Deloney, Chief, Air Programs Branch, at (317) 233-5694.

Sincerely,



Keith Baugues  
Assistant Commissioner  
Office of Air Quality

KB/sad/skr

Enclosures:

Request for Redesignation Petition and Maintenance Plan for the Indiana Portion (Lawrenceburg Township, Dearborn County) of the Cincinnati-Hamilton, OH-KY-IN Fine Particle Nonattainment Area

Cc: John Mooney, U.S. EPA Region 5 (w/ enclosures)  
John Summerhays, U.S. EPA Region 5 (w/ enclosures)  
Cheryl Newton, U.S. EPA Region 5 (no enclosures)  
Pat Morris, U.S. EPA Region 5 (no enclosures)  
Scott Deloney, IDEM (no enclosures)  
Christine Pedersen, IDEM (no enclosures)  
Sarah Raymond, IDEM (w/ enclosures)