



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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April 8, 2011

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

Dear Ms. Hedman:

Re: Request for Redesignation Petition and  
Maintenance Plan Under the Annual  
National Ambient Air Quality Standard for  
Fine Particles for the Southwestern Indiana  
Nonattainment Area

The Indiana Department of Environmental Management (IDEM) submits a draft Redesignation Petition and Maintenance Plan for the Southwestern Indiana Nonattainment 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 March 15, 2011, and the public comment period concluded on March 18, 2011.

The attached document consists of the following:

### ***Redesignation Petition and Maintenance Plan***

- A formal request that the Southwestern Indiana Nonattainment 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 United States Environmental Protection Agency (U.S. EPA) Redesignation Guidance.
- A maintenance year of 2022 is established and 2015 and 2020 are analyzed as interim years.
- The appendices of the document contain historical air quality trend data, projected emission inventory data and thorough documentation of the mobile emissions analysis.

### ***Motor Vehicle Emissions Budgets***

- Contained in the Redesignation Petition is a new Motor Vehicle Emissions Budget for 2015 and 2022. The Evansville Metropolitan Planning Organization's travel demand forecasting model and U.S. EPA's software program referred to as MOBILE6.2 were used to determine emissions for the annual fine particle nonattainment area.

- A conservative margin of safety was applied to the 2015 and 2022 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 MOBILE6 default vehicle age distribution.

IDEM requests that 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:sms

Enclosure:

Request for Redesignation Petition and Maintenance Plan Under the Annual National Ambient Air Quality Standard for Fine Particles for the Southwestern Indiana Nonattainment Area

Cc: John Mooney, U.S. EPA Region 5 (no enclosures)  
Matt Rau, U.S. EPA Region 5 (w/ enclosures)  
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