



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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Mr. Bharat Mathur
Acting Regional Administrator
U.S. Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, IL 60604-3950

2-18-2009

Re: Update Concerning Air Quality
Designations for the 24-hour Fine Particle
(PM_{2.5}) National Ambient Air Quality
Standard

Dear Mr. Mathur:

On December 22, 2008 the United States Environmental Protection Agency (U.S. EPA) announced its designations for nonattainment areas for the 24-hour fine particle PM_{2.5} National Ambient Air Quality Standard (NAAQS) based on information available at that time. Indiana is pleased that the U.S. EPA announced that it is accepting 2008 monitoring data for the 24-hour PM_{2.5} NAAQS and will consider the reclassification of certain areas based on the data prior to the effective date of final designations.

U.S. EPA designated thirteen counties and five townships in Indiana as nonattainment based on 2005-2007 monitoring data. Indiana wishes for U.S. EPA to consider changes to the area designations based on 2006-2008 monitoring data. Enclosed is complete, quality assured, certified 24-hour PM_{2.5} air quality monitoring data from 2000-2008.

Indiana is pleased to announce that at the close of 2008 no monitors located in the State of Indiana had a three year design value (2006-2008) that exceeded the 24-hour PM_{2.5} NAAQS. Table 1 shows the counties listed as nonattainment based on 2005-2007 monitoring data that have 2006-2008 design values that are now in compliance with the standard.

Table 1

County	Monitor	2005-2007 Design Value	2006-2008 Design Value
Clark	Jeffersonville	39	35
Knox	SW Purdue Ag	36	30
Lake	East Chicago	36	31
Lake	Burr St	36	33
Marion	West St	40	35
Marion	English Ave	39	34
Marion	Washington Park	37	32
Marion	W 18 th St	39	34
Marion	E Michigan St	37	33
Tippecanoe	Lafayette	36	29
Vanderburgh	Civic Center	36	30

Monitoring data indicates that Indiana's air quality has improved and will continue to do so. Indiana firmly believes that the nonattainment boundaries for the 24-hour PM_{2.5} NAAQS should be limited to the counties that actually possess a three-year average ambient monitor-based design value above the standard. Since there are no monitors in violation of the standard in Indiana, we hereby request that U.S. EPA classify all counties, including townships, listed as nonattainment based on 2005-2007 monitoring data as attainment. Because there is a public stigma associated with nonattainment designations, Indiana urges U.S. EPA to carefully review all data, as well as federal and regional modeling of the impact of federal and state control measures, and designate all counties in Indiana as attainment.

We appreciate the opportunity to provide 2006-2008 24-hour PM_{2.5} air quality monitoring data. Your consideration of this matter is greatly appreciated. If you have any questions regarding this request, please feel free to contact me at (317) 232-8611 or Dan Murray, Assistant Commissioner, Office of Air Quality, at (317) 232-8222.

Sincerely,



Thomas W. Easterly
Commissioner

TWE/sad/skr

Enclosures-Indiana PM_{2.5} Monitoring Data Summary (2000-2008)

cc: Cheryl L. Newton, U.S. EPA Region 5
John Mooney, U.S. EPA Region 5
Dan Murray, IDEM-OAQ
Scott Deloney, IDEM-OAQ
Christine Pedersen, IDEM-OAQ
Sarah Raymond, IDEM-OAQ

Indiana PM 2.5 DAILY Summary (2000-2008)

The PM 2.5 Daily Standard is 35.0 micrograms per cubic meter (ug/m3) and attainment is determined by the average of the Particulate Matter (PM) 2.5 values over a three-year period. If a monitor is less than or equal to 35.49 ug/m3 it is considered attainment. A monitor that measures 35.50 ug/m3 or higher is considered nonattainment. (Decimals 0.49 or lower are rounded down, decimals 0.50 or higher are rounded up) The Daily Site Design Value is the average of the Annual Daily 98th Percentile Values over three-years. The Daily 98th Percentile Value is taken from all the available data for that year. The Daily Site Design Value is rounded to the nearest whole number.

County	Site #	City	Site Name	Daily 98th Percentile Values									Daily Site Design Value							
				2000	2001	2002	2003	2004	2005	2006	2007	2008	00-02	01-03	02-04	03-05	04-06	05-07	06-08	
ALLEN	180030004	Fort Wayne	Fort Wayne - Beacon St	34.5	32.0	32.1	34.6	31.0	38.4	26.2	33.7	30.7		33	33	33	35	32	33	30
ALLEN	180030014	Fort Wayne	Fort Wayne - Taylor Univ	34.9	32.5	32.4	44.4	28.3	34.9	26.5	32.0	Site disc 12/31/07		33	36	35	36	30	31	
CLARK	180190005	Jeffersonville	Jeffersonville - Spring St	41.3	41.7	46.1	30.9	Site disc 6/29/03						43	40					
CLARK	180190006	Jeffersonville	Jeffersonville - Walnut St			Site began 06/29/03	40.4	28.4	45.5 ^E	35.9 ^E	37.0 ^E	33.1			40 ¹	34 ²	38	37	39	35
CLARK	180190005/6	Jeffersonville	Combined*		41.7	46.1	36.1	28.4	45.5 ^E						41	37	37			
CLARK	180190008		Charlestown State Park								Site began 07/01/08	27.5								28 ¹
DELAWARE	180350006	Muncie	Muncie - Central HS	34.8	35.7	36.5	27.0	27.2	37.3	27.4	31.1 ^E	25.6		34	34	31	34	31	32	28
DUBOIS	180370004	Jasper	Jasper - Sport						Site began 02/01/06	33.6	35.2	26.0						34 ¹	34 ²	32
DUBOIS	180370005	Jasper	Jasper - Golf						Site began 02/01/06	32.2	36.2	25.0						32 ¹	34 ²	31
DUBOIS	180372001	Jasper	Jasper - Post Office	40.0	39.0	36.3	39.5	30.0	41.2	31.6	32.0 ^E	27.2	38	38	35	37	34	35	30	
ELKHART	180390003	Elkhart	Elkhart - Pierre Moran Sch.	38.6	37.5	35.2	36.7	31.4	40.8	25.5	33.2 ^E	Site disc 12/31/07	37	36	34	36	33	33		
ELKHART	180390008	Elkhart	Elkhart - Prairie St.								Site began 01/01/08	30.6								31 ¹
ELKHART	180390003/8	Elkhart	Combined*						40.8	25.5	33.2 ^E	30.6						33	30	
FLOYD	180431004	New Albany	New Albany	36.5	38.2	40.8	33.9	26.7	40.1 ^E	28.2 ^E	35.4 ^E	26.8	39	38	34	34	32	35	30	
GIBSON	180510012		Oakland City								Site began 01/18/08	25.4								25
HENRY	180650003		Mechanicsburg	19.8	30.7	29.7	31.4	26.9	37.3	27.2	32.4	24.8	27	31	29	32	30	32	28	
HOWARD	180670003	Kokomo	Kokomo	34.3	38.1	29.7	33.1	27.6	37.6	27.6	33.6	27.9	34	34	30	33	31	33	30	
KNOX	180830004		Southwest Ag Center	34.5	33.0	38.6	34.8	29.9	41.8	36.2	30.9	23.5	35	35	34	36	36	36	30	
LAKE	180890006	East Chicago	East Chicago - Franklin Sch.	34.2	39.8	37.4	33.1	33.0	39.9	29.4	37.2	26.6	37	37	35	35	34	36	31	
LAKE	180890022	Gary	Gary - IITRI	43.6	48.7	39.5	45.9	45.8	40.4	28.5	35.2	28.9	44	45	44	44	38	35	31	
LAKE	180890026	Gary	Gary - Burr St	33.8	42.0	38.7	41.7	38.6	43.7	30.4	35.0 ^E	32.4	38	41	40	41	38	36	33	
LAKE	180890027	Griffith	Griffith	31.9	37.3	31.6	35.6	30.1	37.1	25.8	34.1	26.5	34	35	32	34	31	32	29	
LAKE	180890031	Gary	Gary - Madison St.					Site began 07/01/05	38.7	27.1	36.2	29.4				39 ¹	33 ²	34	31	
LAKE	180891003	Gary	Gary - Ivanhoe School	33.1	37.0	32.7	31.0	30.5	39.0	25.8	33.8	Site disc 12/31/07	34	34	31	34	32	33		
LAKE	180891016	Gary	Gary - Federal Bldg	35.0	40.7	39.6	Site disc: 9/2002							38						
LAKE	180892004	Hammond	Hammond -Purdue	32.8	36.0	33.9	32.3	31.9	37.6	26.2	34.9	28.4	34	34	33	34	32	33	30	
LAKE	180892010	Hammond	Hammond - Clark HS	33.9	37.9	36.2	37.6	28.4	40.9	27.9	35.2	28.2	36	37	34	36	32	35	30	
LA PORTE	180910011	Michigan City	Michigan City - Marsh Sch.	28.5	33.7	31.3	31.8	31.6	37.5	28.1	31.5 ^E	27.7	31	32	32	34	32	32	29	
LA PORTE	180910012	LaPorte	Laporte - Lake St.	29.7	36.1	31.5	32.4	26.6	36.5	24.7	31.0	Site disc 12/31/07	32	33	30	32	29	31		
MADISON	180950009	Anderson	Anderson - W 5th St	33.1	36.8	34.2	35.5	28.2	38.3	28.0	32.6 ^E	27.1	35	36	33	34	32	33	29	
MARION	180970042	Indianapolis	Indpls - Mann Road	33.5	31.0	39.6	33.7	29.3	39.4	31.0	35.6	Site disc 12/31/07	35	35	34	34	33	35		
MARION	180970043	Indianapolis	Indpls - West St	36.8	36.4	36.5	37.9	31.7	43.9	37.5	38.3	30.1	37	37	35	38	38	40	35	
MARION	180970066	Indianapolis	Indpls - English Ave	39.5	44.1	44.8	39.4	31.1	44.0	36.2	37.2 ^E	28.2	43	43	38	38	37	39	34	
MARION	180970078	Indianapolis	Indpls - Washington Park	36.5	37.2	35.0	39.3	31.0	42.5	31.7	35.3 ^E	28.9	36	37	35	38	35	37	32	
MARION	180970079	Indianapolis	Indpls - E. 75th St	35.1	35.9	33.3	38.0	28.7	43.4	30.7	33.5	Site disc 12/31/07	35	36	33	37	34	36		
MARION	180970081	Indianapolis	Indpls - W 18th St	36.3	38.5	26.8	36.2	31.9	45.7	34.8	37.1	30.5	34	34	32	38	37	39	34	
MARION	180970083	Indianapolis	Indpls - E. Michigan St.	35.7	39.5	36.7	36.7	31.3	40.3	33.5	37.2	29.0	37	38	35	36	35	37	33	
PORTER	181270020		Dunes Natl Lakeshore	27.3	35.2	30.5	31.7	29.7	37.6	26.6	30.6	Site disc 12/31/07	31	32	32	33	31	32		
PORTER	181270024	Ogden Dunes	Ogden Dunes	32.0	34.8	32.9	30.7	29.1	37.5	26.1	33.3	28.3	33	33	31	32	31	32	29	
ST JOSEPH	181410014	South Bend	South Bend - Nuner Sch	29.5	34.5	31.7	35.0	26.7	40.2	24.9	32.0 ^E	28.1	32	34	31	34	31	32	28	
ST JOSEPH	181411008	South Bend	South Bend - Angela & Eddy	30.2	37.6	32.8	34.8	27.4	37.3	24.7	Site disc 5/30/06		34	35	32	33	30			
ST JOSEPH	181410015	South Bend	South Bend - Shields Dr							Site began 06/06/06	24.9	30.8	28.0				25 ¹	28 ²	28	
ST JOSEPH	181411008/16	South Bend	Combined*							24.7	30.8	28.0					30	31	28	
ST JOSEPH	181412004	South Bend	South Bend - LaSalle HS	30.4	36.8	31.3	33.3	25.1	35.8	24.1	31.3	Site disc 12/31/07	33	34	30	31	28	30		
SPENCER	181470009	Dale	Dale	43.4	28.2	27.8	34.6	25.2	39.7	27.7	31.4	22.9		33	30	29	33	31	33	27
TIPPECANOE	181570007	Lafayette	Lafayette - Fire Station	34.0	35.5	27.7	Site disc: 7/16/02							32						
TIPPECANOE	181570008	Lafayette	Lafayette - Greenbush St		Site began 10/1/02	29.4	34.5	26.4	49.3	27.0	32.0 ^E	27.7	29 ¹	32 ²	30	37	34	36	29	
VANDERBURGH	181630006	Evansville	Evansville - Civic Center	37.3	36.4	46.7	34.5	28.3	42.5	30.5	33.6	27.2	40	39	37	35	34	36	30	
VANDERBURGH	181630012	Evansville	Evansville - Mill Rd	34.3	34.2	44.9	34.1	27.6	41.5	27.9	29.9	24.7	38	38	36	34	32	33	28	
VANDERBURGH	181630016	Evansville	Evansville - U of E	33.5	37.9	46.2	35.9	28.3	37.0	29.5	31.5	26.5	39	40	37	34	32	33	29	
VIGO	181670018	Terre Haute	Terre Haute - Lafayette Ave.	34.2	38.4	40.2	35.3	26.9	43.1	31.0	31.0	26.3	38	38	34	35	34	35	29	
VIGO	181670023	Terre Haute	Terre Haute - Devaney Sch.	28.7	30.1	38.1	35.4	30.4	42.5	29.1	32.1 ^E	27.5	32	35	35	36	34	35	30	

*Combined--These two sites are considered to measure the same air mass, thus the data are combined for the purposes of the Design Value calculations.

^E Exceptional event data removed from calculations

Incomplete Data

¹ One year of Data

² Two Years of Data

Annual Site Design Value Above 15.05 ug/m3