

APPENDIX A-1

**Air Quality System (AQS) and Indiana
Department of Environmental Management
(IDEM) Monitor Data Values for the
Southwestern Indiana Area (2000-2009)**

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Monitoring Data for Southwestern Indiana Area					
SITE ID	COUNTY	SITE NAME	YEAR	Annual Average $\mu\text{g}/\text{m}^3$	2007-2009 Average $\mu\text{g}/\text{m}^3$
18-037-0004	Dubois	Jasper-Sport	2007	14.61	13.4 ²
			2008	12.10	
			2009		
18-037-0005	Dubois	Jasper-Golf	2007	14.92	13.7 ²
			2008	12.53	
			2009		
18-037-2001	Dubois	Jasper-Post Office	2007	14.26 ^E	13.2*
			2008	12.93	
			2009	12.49	
18-051-0012	Gibson	Oakland City	2007		11.2 ²
			2008	11.33	
			2009	11.00	
18-147-0009	Spencer	Dale	2007	14.13	12.6
			2008	12.03	
			2009	11.77	
18-163-0006/20	Vanderburgh	Evansville-Civic Center/Post Office	2007	13.91	12.9
			2008	12.58	
			2009	12.32	
18-163-0012/21	Vanderburgh	Evansville-Mill Road/Buena Vista	2007	14.23	13.1
			2008	12.70	
			2009	12.28	
18-163-0016	Vanderburgh	Evansville-University of Evansville	2007	14.21	13.1
			2008	12.53	
			2009	12.49	

*Incomplete data see Appendix G.

^E Exceptional event data removed from calculations.

² Indicates design value is based on two years of data.

The Jasper Sport and Jasper Golf monitors began operation February 1, 2006 and were discontinued on December 31, 2008.

The Oakland City monitor began operation on January 18, 2008.

The Evansville Civic Center monitor was replaced by the Evansville Post Office monitor and data for 2009 as well as the 2007-2009 design value have been combined.

The Evansville Mill Road monitor was replaced by the Evansville Buena Vista monitor and data for 2009 as well as the 2007-2009 design value have been combined.

Site ID	County	Site Name	Yearly Annual Means									
			2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
18-037-0004	Dubois	Jasper-Sport							13.64	14.61	12.10	
18-037-0005	Dubois	Jasper-Golf							13.78	14.92	12.53	
18-037-2001	Dubois	Jasper-Post Office	17.16	16.54	16.34	15.72	14.42	16.92	13.54	14.26 ^E	12.93	12.49
18-051-0012	Gibson	Oakland City									11.33	11.00
18-147-0009	Spencer	Dale	16.32	14.52	14.06	14.63	12.16	16.76	12.78	14.13	12.03	11.77
18-163-0006	Vanderburgh	Evansville-Civic Center	16.17	15.45	15.36	14.93	13.23	16.49	13.72	13.91	12.58	
18-163-0006/20	Vanderburgh	Evansville-Combined Data From Civic Center and Post Office										12.32
18-163-0012	Vanderburgh	Evansville-Mill Road	16.17	15.15	15.27	15.27	13.46	16.29	14.05	14.23	12.70	
18-163-0012/21	Vanderburgh	Evansville-Combined Data From Mill Road and Buena Vista										12.28
18-163-0016	Vanderburgh	Evansville-University of Evansville	15.70	16.16	15.24	15.09	13.68	16.67	14.15	14.21	12.53	12.49
Value above the annual PM2.5 standard.												

^E Exceptional event data removed from calculations.

The Jasper Sport and Jasper Golf monitors began operation February 1, 2006 and were discontinued on December 31, 2008.

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The Evansville Civic Center monitor was replaced by the Evansville Post Office monitor and data for 2009 as well as the 2007-2009 design value have been combined.

The Evansville Mill Road monitor was replaced by the Evansville Buena Vista monitor and data for 2009 as well as the 2007-2009 design value have been combined.

Site ID	County	Site Name	Three Year Design Values							
			00-02	01-03	02-04	03-05	04-06	05-07	06-08	07-09
18-037-0004	Dubois	Jasper-Sport					13.6	14.1	13.5	
18-037-0005	Dubois	Jasper-Golf					13.8	14.4	13.7	
18-037-2001	Dubois	Jasper-Post Office	16.7	16.2	15.5	15.7	15.0	14.9	13.6	13.2
18-051-0012	Gibson	Oakland City							11.3	11.2
18-147-0009	Spencer	Dale	15.0	14.4	13.6	14.5	13.9	14.6	13.0	12.6
18-163-0006	Vanderburgh	Evansville-Civic Center	15.7	15.2	14.5	14.9	14.5	14.7	13.4	
18-163-0006/20	Vanderburgh	Evansville-Combined Data From Civic Center and Post Office								12.9
18-163-0012	Vanderburgh	Evansville-Mill Road	15.5	15.2	14.7	15.0	14.6	14.9	13.7	
18-163-0012/21	Vanderburgh	Evansville-Combined Data From Mill Road and Buena Vista								13.1
18-163-0016	Vanderburgh	Evansville-University of Evansville	15.7	15.5	14.7	15.1	14.8	15.0	13.6	13.1
Value above the annual PM _{2.5} standard.										

Red Text Indicates Incomplete Data

Blue Text Indicates Design Value Based on One Year of Data

Green Text Indicates Design Value Based on Two Years of Data

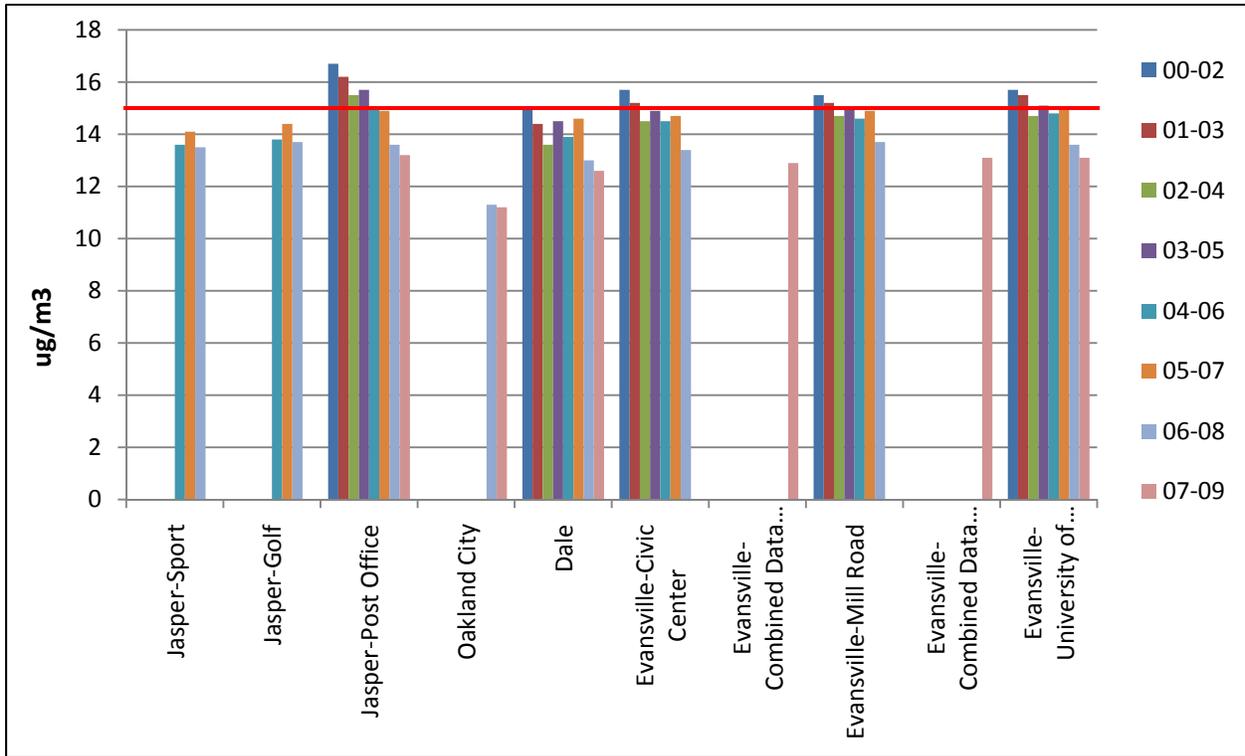
The Jasper Sport and Jasper Golf monitors began operation February 1, 2006 and were discontinued on December 31, 2008.

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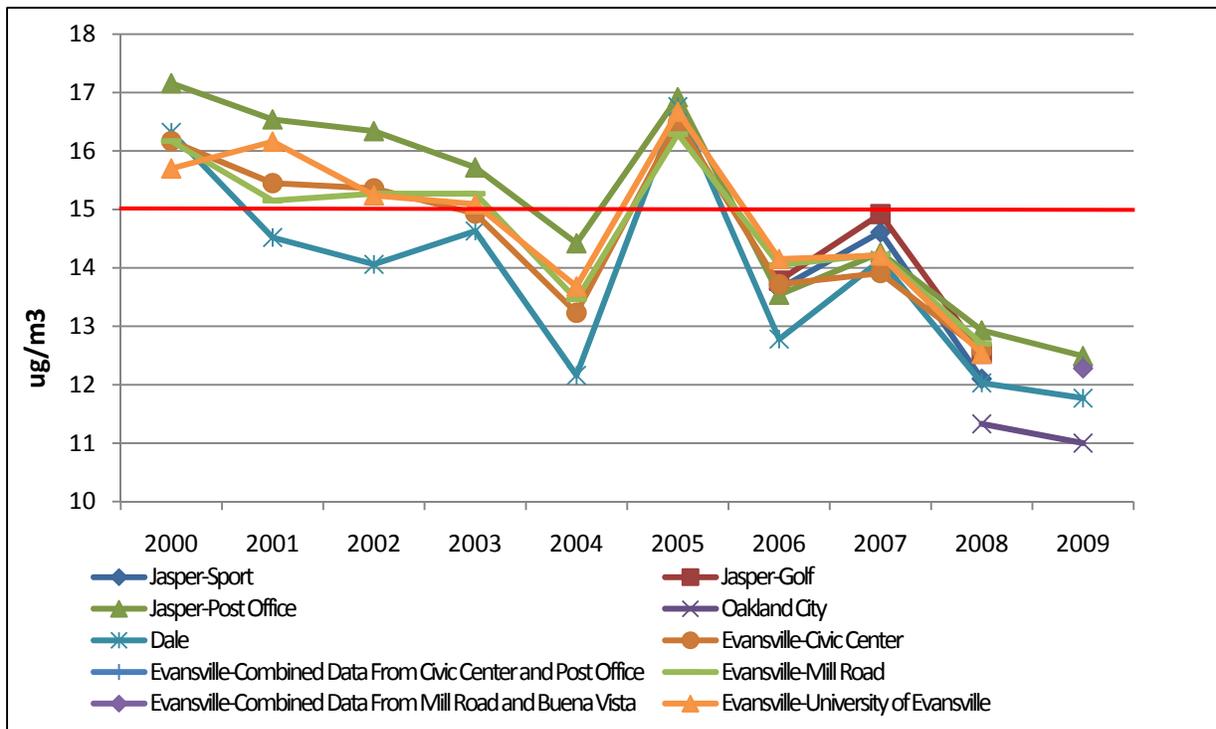
The Evansville Mill Road monitor was replaced by the Evansville Buena Vista monitor and data for 2009 as well as the 2007-2009 design value have been combined.

Design Values for the Southwestern Indiana Area for Fine Particles, 2000-2009



Red line represents Annual PM_{2.5} standard of 15 µg/m³

Southwestern Indiana Annual Fine Particles Trends, 2000-2009



Red line represents Annual PM_{2.5} standard of 15 µg/m³