



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Air Quality Planning and Standards (OAQPS)
Research Triangle Park, North Carolina 27711

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MEMORANDUM

SUBJECT: Sensitivity Analysis of Long-term Mean PM_{2.5} Concentrations for Selected Long-term Exposure Epidemiological Studies

FROM: Mark Schmidt, Air Quality Analysis Group, OAQPS/OAR /s/

TO: PM NAAQS Review Docket (EPA-HQ-OAR-2007-0492)

This memorandum presents a sensitivity analysis for selected long-term exposure epidemiological studies of mortality (Eftim et al., 2008; Zeger et al., 2009) that compares the studies' reported multi-year PM_{2.5} mean concentrations with mean concentrations for extended time periods that include the original study years plus the two immediately preceding years. The purpose of this analysis is to explore the change in long-term mean PM_{2.5} concentrations reported in these studies that would result from consideration of a broader exposure period, extending two years prior to the years when health events (i.e., deaths) were observed, that would likely more fully capture the PM_{2.5}-related deaths in such studies.

The studies selected for this analysis are those key long-term exposure studies of mortality that included deaths from a relatively recent time period. The selected studies, which involve different geographic areas and different time periods, include the following:

(1) Eftim et al., 2008, American Cancer Society (ACS) study areas encompassing 110 counties corresponding to 50 metropolitan statistical areas (MSAs) for 2000-2002¹;

(2) Eftim et al., 2008, Harvard Six Cities study areas represented by the primary county of each of the six cities for 2000-2002; and

(3) Zeger et al., 2009, Eastern Region of the United States (east of the Mississippi River) as represented by 2,938 zip codes within 6 miles of each PM_{2.5} monitoring location (in 421 counties) for 2000-2005.²

¹ For the analysis corresponding to the Eftim et al. ACS study areas, 53 MSAs were used. Table 2 of Eftim et al. (2008) identified that air quality data for 110 counties corresponding to 50 MSAs were considered in the ACS analysis. Figure 1 of this study depicted a map of the 110 counties considered but a specific list of included counties or MSAs was not presented by the study authors. In earlier air quality analyses for selected epidemiological studies conducted by the EPA (Hassett-Sipple et al., 2010), air quality data for 53 MSAs were considered in the assessment of ACS study areas considered in Eftim et al. (2008). This list of areas was based on the original 53 MSAs identified in the ACS study as specified in Lipfert et al. (1998). This list of study areas was used again for the analysis discussed in this memorandum. The EPA notes that two study areas were included in both the ACS and Harvard Six Cities study analyses (Topeka, KS and Steubenville, OH).

Data Selection for the Sensitivity Analysis

For this analysis, PM_{2.5} Federal Reference Method (FRM) data were extracted from the EPA's Air Quality System (AQS) for the geographic areas and timeframes associated with the epidemiological studies of interest. PM_{2.5} FRM data were also extracted for the study areas for 1998 and 1999 which are the two years immediately prior to the time periods evaluated in the studies. In addition, PM₁₀ FRM or Federal Equivalent Method (FEM) data were extracted from AQS in order to estimate PM_{2.5} for years with missing PM_{2.5} data. For both PM_{2.5} and PM₁₀, all available reported data were used including days flagged as exceptional events.

Derivation of Annual Mean PM_{2.5} Concentrations

PM_{2.5} FRM data are limited for 1999 and are only available for several sites in the entire U.S. for 1998. PM_{2.5} concentrations not reported for those two years were imputed from PM₁₀ data. The missing 1998 or 1999 annual mean PM_{2.5} concentrations for each monitoring location were derived using the ratio of collocated PM_{2.5} to PM₁₀ mean concentrations available for the extended study time periods.

PM_{2.5} and PM₁₀ data were first summarized on a daily basis. At each monitoring site, 24-hour concentrations reported by all collocated PM_{2.5} monitors were averaged. The same was done for all collocated PM₁₀ monitors. These daily PM_{2.5} and PM₁₀ values were then separately averaged by calendar quarter and then the quarterly mean concentrations averaged together to obtain site-level annual mean concentrations. The site-level mean concentrations were considered valid if they included at least 11 or more daily values in each of all four calendar quarters. In contrast, the study authors may have used different criteria. In particular, Zeger et al. utilized annual completeness criteria of at least 3 observations per month for at least 10 months of the year.

Next, for years with valid site-level annual mean concentrations for both PM_{2.5} and PM₁₀, the ratio of the two annual mean concentrations were computed. For each monitoring site, these annual mean ratios were then averaged over the extended study time periods to obtain a single PM_{2.5}-to-PM₁₀ ratio³. Missing site-level PM_{2.5} annual mean concentrations for 1998 and 1999 that had valid PM₁₀ annual means were estimated by multiplying the site-level PM₁₀ annual mean by the site-level PM_{2.5}-to-PM₁₀ ratio.

For each of the three studies, a multi-year average PM_{2.5} concentration was derived for each monitoring site for the original study years as well as for the extended time period. Next, these PM_{2.5} site-level annual mean concentrations were averaged across the various geographic area jurisdictions used in each study (i.e., MSAs, counties, or zip codes) to obtain area-aggregated mean PM_{2.5} concentrations. Finally, these area-aggregated mean concentrations were used to estimate overall mean concentrations for each study's geographic domain; a median concentration as presented by Zeger et al. is also estimated for that study.

² The Zeger et al. study area is based on 2,938 zip codes whose centroids were within 6 miles of the 613 PM_{2.5} monitoring sites in the eastern region of the U.S. selected by the study authors. The EPA analysis is based on 3,358 zip codes within 6 miles of a larger group of 710 PM_{2.5} monitoring sites in the eastern region of the U.S. selected by the EPA using the data completeness criteria specified in this memo.

³ Temporal variations in the PM_{2.5} to PM₁₀ ratio (both seasonally and over years) were not considered for this analysis.

The estimated area-aggregated mean PM_{2.5} concentrations by MSA, county, or zip code, along with overall study mean PM_{2.5} concentrations, are presented in Attachments A, B, and C: Attachment A shows the MSA-level mean concentrations corresponding to the Eftim et al. ACS study areas; Attachment B shows the county-level mean concentrations corresponding to the Eftim et al. Harvard Six Cities study areas; and Attachment C shows the zip code-level mean concentrations corresponding to the Zeger et al. eastern U.S. region study areas.

Summary Results

Table 1 below summarizes the results of this analysis including estimated mean PM_{2.5} concentrations for the original study time periods and the extended study time periods, as well as the corresponding mean concentrations from the original published studies. The mean or median concentrations for the original study time periods estimated by the EPA in this analysis are quite similar to those from the originally published studies. Only the EPA-estimated mean for the original time period in the Eftim et al. ACS study differed from the published study mean, with a difference of 0.3 µg/m³ (2.3 percent). This slight difference might result from a variety of reasons, including: (1) States may have revised their PM_{2.5} data subsequent to retrieval by the study authors from the EPA's AQS data; (2) removal of some reported PM_{2.5} sampling days by the study authors; (3) differences in data completeness requirements; (4) differences in data aggregation protocols; and (5) differences in the number of geographic areas and the geographic area boundary definitions.

Further, Table 1 shows that the EPA-estimated mean concentrations for the original study time periods are quite similar to the EPA-estimated mean concentrations for the extended study time periods. In all cases, the EPA-estimated mean concentrations for the extended study time periods differ from the EPA estimates for the original study time period by 0.2 to 0.4 µg/m³. Expressed as percentages, the differences are 3.0 percent for the Eftim et al. ACS study areas, 2.1 percent for the Eftim et al. Harvard Six Cities study areas and 1.5 percent for the Zeger et al. eastern U.S. region study areas. For the Zeger et al. study results, the difference in median concentrations between the extended study time period and the original study time period is 0.2 µg/m³ (1.4 percent).

Table 1. Summary of Long-term Exposure Studies and Years of Air Quality Data Evaluated

Study	Years of air quality data evaluated in study publication	PM _{2.5} concentration (µg/m ³) reported by the study authors	PM _{2.5} concentration (µg/m ³) derived by EPA	Years of air quality data evaluated in extended timeframe	PM _{2.5} concentration (µg/m ³), derived by EPA
Eftim et al., 2008 <ul style="list-style-type: none"> • ACS study areas • Harvard Six Cities study areas 	2000-2002	13.6 (mean)	13.3 (mean)	1998-2002	13.7 (mean)
		14.1 (mean)	14.1 (mean)		14.4 (mean)
Zeger et al., 2009 <ul style="list-style-type: none"> • Eastern U.S. region 	2000-2005	14.0 (median)	13.7 (mean) 14.0 (median)	1998-2005	13.9 (mean) 14.2 (median)

References

Eftim SE, Samet JM, Janes H, McDermott A, Dominici F (2008). Fine Particulate Matter and Mortality: A Comparison of the Six Cities and American Cancer Society Cohorts With a Medicare Cohort. *Epidemiology*, 19: 209- 216.

Lipfert FW; Malone RG; Daum ML (1988). A Statistical Study of the Macroepidemiology of Air Pollution and Total Mortality. Brookhaven National Laboratory, Upton, NY. Report No. BNL 52122.

Zeger S; Dominici F; McDermott A; Samet J (2008). Mortality in the Medicare population and chronic exposure to fine particulate air pollution in urban centers (2000-2005). *Environ Health Perspect*, 116: 1614.

Attachment A: EPA-derived Results for the Eftim et. al. ACS Study Area

MSA	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>1998</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>1999</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>2000</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>2001</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>2002</u>	<u>Area-level</u> <u>3-year</u> <u>means</u> <u>(2000-</u>	<u>Area-level</u> <u>5-year</u> <u>means</u> <u>(1998-</u>
						<u>2002) - i.e.,</u> <u>original</u> <u>study</u> <u>timeframe</u>	<u>2002) - i.e.,</u> <u>extended</u> <u>study</u> <u>timeframe</u>
Akron	18.46	16.51	16.23	16.25	16.02	16.2	16.7
Albuquerque		5.84	6.68	6.47	6.97	6.7	6.5
Ashland		14.89	16.01	15.49	15.54	15.7	15.5
Atlanta	22.61	20.61	18.96	17.03	15.33	17.1	18.9
Bakersfield	11.14	19.51	18.28	17.46	17.27	17.7	16.7
Bethlehem		12.37	13.98	15.21	14.12	14.4	13.9
Birmingham	20.42	20.13	18.15	15.57	14.53	16.1	17.8
Boise		8.99	9.34	10.09	9.69	9.7	9.5
Buffalo		14.21	14.14	13.83	12.76	13.6	13.7
Butte	9.47	7.32	13.51	7.02	6.82	9.1	8.8
Camden	14.62	13.89	15.23	14.38	13.92	14.5	14.4
Charlotte	16.96	16.47	16.56	14.64	14.22	15.1	15.8
Chattanooga		18.94	18.38	15.67	14.74	16.3	16.9
Chicago	18.94	16.82	16.08	16.27	14.93	15.8	16.6
Cincinnati	19.36	18.83	17.79	16.62	15.93	16.8	17.7
Cleveland	18.60	16.73	17.37	16.19	15.47	16.3	16.9
Dallas	13.90	13.93	12.54	12.36	12.49	12.5	13.0
Dayton	16.28	16.80	17.28	14.80	14.95	15.7	16.0
Denver	9.56	8.47	8.61	8.43	8.44	8.5	8.7
Durham	16.39	14.86	14.52	13.70	12.88	13.7	14.5
El Paso	7.14	9.08	8.53	9.59	11.17	9.8	9.1
Fresno	16.31	23.64	17.38	18.82	19.63	18.6	19.2
Gary	19.62	15.04	15.20	15.76	15.09	15.4	16.1
Hartford		10.79	11.25	12.64	12.51	12.1	11.8
Houston	15.75	13.13	12.17	11.40	10.92	11.5	12.7
Indianapolis	20.86	17.08	16.92	16.88	16.61	16.8	17.7
Jackson	18.40	16.19	15.23	13.45	12.24	13.6	15.1
Jersey City	14.92	13.22	14.41	14.00	13.19	13.9	13.9
Little rock			15.57	14.68	12.76	14.3	14.3
Los Angeles	17.31	21.27	19.18	21.68	19.74	20.2	19.8
Minneapolis	9.47	10.48	12.05	11.77	10.35	11.4	10.8
Mobile		17.69	15.18	12.56	11.33	13.0	14.2
Nashville	16.21	17.22	16.35	14.35	13.17	14.6	15.5
Norfolk	15.76	13.25	13.48	13.07	12.11	12.9	13.5
Oklahoma City			10.46	10.35	9.65	10.2	10.2
Omaha	10.85	14.51	10.74	10.59	10.28	10.5	11.4
Pasadena			19.42	20.85	20.26	20.2	20.2
Philadelphia		13.20	14.57	15.67	14.81	15.0	14.6
Phoenix	9.16	10.66	9.94	9.05	9.88	9.6	9.7
Portland	10.72	7.77	8.99	8.11	8.27	8.5	8.8
Providence		12.56	10.94	11.36	10.15	10.8	11.3

Attachment A: EPA-derived Results for the Eftim et. al. ACS Study Area

	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>1998</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>1999</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>2000</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>2001</u>	<u>PM2.5</u> <u>annual</u> <u>mean for</u> <u>2002</u>	<u>Area-level</u> <u>3-year</u> <u>means</u> <u>(2000-</u> <u>2002) - i.e.,</u> <u>original</u> <u>study</u> <u>timeframe</u>	<u>Area-level</u> <u>5-year</u> <u>means</u> <u>(1998-</u> <u>2002) - i.e.,</u> <u>extended</u> <u>study</u> <u>timeframe</u>
MSA							
Reno	8.92	9.90	7.18	8.02	9.17	8.1	8.6
Salt Lake City	10.93	10.00	11.34	12.10	12.21	11.9	11.3
San Francisco	11.07	12.85	10.99	11.72	12.79	11.8	11.9
San Jose	11.29	14.75	12.92	12.18	11.99	12.4	12.6
Seattle	10.41	9.87	11.19	9.83	9.64	10.2	10.2
Spokane	10.18	8.83	9.92	8.86	9.52	9.4	9.5
St. Paul	10.25	11.94	12.93	12.17	10.73	11.9	11.6
Steubenville	17.43	19.00	18.33	18.53	17.35	18.1	18.1
Tampa	13.93	12.31	12.38	11.22	10.60	11.4	12.1
Topeka		13.33	10.75	10.55	11.00	10.8	11.4
Wichita	12.66	12.07	11.42	11.16	10.53	11.0	11.6
Youngstown	18.37	16.81	15.84	16.28	14.85	15.7	16.4
Study-area 3-year and 5-year averages →						13.3	13.7

Attachment B: EPA-derived Results for the Eftim et. al., Harvard 6-City Study Area

<u>City</u>	<u>Represented by County</u>	<u>PM2.5 annual mean for 1998</u>	<u>PM2.5 annual mean for 1999</u>	<u>PM2.5 annual mean for 2000</u>	<u>PM2.5 annual mean for 2001</u>	<u>PM2.5 annual mean for 2002</u>	<u>Area-level 3-year means (2000- 2002) - i.e., original study timeframe</u>	<u>Area-level 5-year means (1998- 2002) - i.e., extended study timeframe</u>
Topeka, KS	Shawnee, KS		13.33	10.75	10.55	11.00	10.8	11.4
Watertown, MA	Middlesex, MA		9.40	8.77	10.57	11.32	10.2	10.0
St. Louis, MO	St. Louis City, MO		15.24	15.85	14.92	15.14	15.3	15.3
Steubenville, OH	Jefferson, OH	17.43	19.00	18.33	18.53	17.35	18.1	18.1
Harriman, TN	Knox, TN ^{*1}	20.81	21.23	19.04	17.47	15.97	17.5	18.9
Portage, WI	Dane, WI ^{*2}	13.01	13.26	12.56	12.86	12.24	12.6	12.8
Study-area 3-year and 5-year averages →							14.1	14.4

* For consistency with the published study, the EPA analysis utilized: 1) Knox County, TN as a surrogate for the Harriman city primary county of Roane County, TN, and 2) Dane County, WI as a surrogate for the Portage primary city county of Columbia County, WI.

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
01001	Agawam, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01007	Belchertown, MA	8.62	9.03	8.81	9.23	8.27				8.8	8.8
01013	Chicopee, MA	14.08	14.52	13.23	12.52	12.68	11.60	10.94	12.19	12.2	12.7
01020	Chicopee, MA	14.08	14.52	13.23	12.52	12.68	11.60	10.94	12.19	12.2	12.7
01022	Chicopee, MA			10.16	11.13	11.13	10.27	9.53	10.63	10.5	10.5
01030	Feeding Hills, MA	14.08	14.54	15.77		13.28	11.53	11.28	13.20	13.0	13.4
01033	Granby, MA			10.16	11.13	11.13	10.27	9.53	10.63	10.5	10.5
01040	Holyoke, MA			10.16	11.13	11.13	10.27	9.53	10.63	10.5	10.5
01056	Ludlow, MA			10.16	11.13	11.13	10.27	9.53	10.63	10.5	10.5
01075	South Hadley, MA			10.16	11.13	11.13	10.27	9.53	10.63	10.5	10.5
01089	West Springfield, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01103	Springfield, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01104	Springfield, MA	14.08	14.52	13.23	12.52	12.68	11.60	10.94	12.19	12.2	12.7
01105	Springfield, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01106	Longmeadow, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01107	Springfield, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01108	Springfield, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01109	Springfield, MA	14.08	14.52	13.23	12.52	12.68	11.60	10.94	12.19	12.2	12.7
01118	Springfield, MA	14.08	14.52	14.77	13.91	13.46	12.26	11.65	12.97	13.2	13.5
01119	Springfield, MA	14.08	14.52	13.23	12.52	12.39	11.63	10.77	11.69	12.0	12.6
01151	Indian Orchard, MA			10.16	11.13	11.13	10.27	9.53	10.63	10.5	10.5
01201	Pittsfield, MA		12.78	11.80	13.35	12.06	11.07	10.54	11.84	11.8	11.9
01224	Berkshire, MA		12.78	11.80	13.35	12.06	11.07	10.54	11.84	11.8	11.9
01420	Fitchburg, MA		9.39	9.79		9.99				9.9	9.7
01431	Ashby, MA		9.39	9.79		9.99				9.9	9.7
01453	Leominster, MA		9.39	9.79		9.99				9.9	9.7
01462	Lunenburg, MA		9.39	9.79		9.99				9.9	9.7
01474	West Townsend, MA		9.39	9.79		9.99				9.9	9.7
01501	Auburn, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01520	Holden, MA		13.27	12.00	12.82	12.00				12.3	12.5
01527	Millbury, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01545	Shrewsbury, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01602	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01603	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01604	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01605	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01606	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01607	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01608	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01609	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01610	Worcester, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01611	Cherry Valley, MA		13.78	11.90	13.01	11.68		10.80	11.76	11.8	12.2
01719	Boxborough, MA		9.40	8.77	10.57					9.7	9.6
01720	Acton, MA		9.40	8.77	10.57					9.7	9.6
01749	Hudson, MA		9.40	8.77	10.57					9.7	9.6
01754	Maynard, MA		9.40	8.77	10.57					9.7	9.6
01775	Stow, MA		9.40	8.77	10.57					9.7	9.6
01776	Sudbury, MA		9.40	8.77	10.57					9.7	9.6
01810	Andover, MA					10.37		10.45	9.96	10.3	10.3
01824	Chelmsford, MA					11.32				11.3	11.3
01826	Dracut, MA					11.32				11.3	11.3
01827	Dunstable, MA	9.01	8.71				9.72	9.41		9.6	9.2
01830	Haverhill, MA		11.60	11.00			9.01	9.52	9.44	9.7	10.1
01832	Haverhill, MA		11.60	11.00			9.01	9.52	9.44	9.7	10.1
01834	Groveland, MA		11.60	11.00			9.01	9.52	9.44	9.7	10.1
01835	Haverhill, MA		11.60	11.00			9.01	9.52	9.44	9.7	10.1
01840	Lawrence, MA					10.37		10.45	9.96	10.3	10.3
01841	Lawrence, MA					10.37		10.45	9.96	10.3	10.3
01843	Lawrence, MA					10.37		10.45	9.96	10.3	10.3
01844	Methuen, MA		11.60	11.00		10.37	9.01	9.99	9.70	10.0	10.3

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level	
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe	
01845	North Andover, MA					10.37			10.45	9.96	10.3	10.3
01850	Lowell, MA					11.32					11.3	11.3
01851	Lowell, MA					11.32					11.3	11.3
01852	Lowell, MA					11.32					11.3	11.3
01854	Lowell, MA					11.32					11.3	11.3
01862	North Billerica, MA					11.32					11.3	11.3
01863	North Chelmsford, MA					11.32					11.3	11.3
01879	Tyngsboro, MA	9.01	8.71				9.72	9.41			9.6	9.2
01901	Lynn, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01902	Lynn, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01904	Lynn, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01905	Lynn, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01906	Saugus, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01907	Swampscott, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01908	Nahant, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01940	Lynnfield, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01960	Peabody, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
01970	Salem, MA		11.31	11.35	12.13	10.47		9.00	9.48		10.5	10.6
02108	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02109	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02110	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02111	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02113	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02114	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02115	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02116	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02118	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02119	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02120	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02121	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02122	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02124	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02125	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02126	Mattapan, MA	14.68	12.72	13.12	14.69	12.28	12.10	12.36	12.10		12.8	13.0
02127	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42		13.3	13.6
02128	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02129	Charlestown, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02130	Jamaica Plain, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02131	Roslindale, MA	14.68	12.94	13.12	14.69	12.37	12.10	12.36	12.10		12.8	13.0
02134	Allston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02135	Brighton, MA	14.68	12.94	13.12	14.69	12.37	12.10	12.36	12.10		12.8	13.0
02136	Hyde Park, MA		10.96	13.12	14.69	11.35	11.40	11.38	11.33		12.2	12.0
02138	Cambridge, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02139	Cambridge, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02140	Cambridge, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02141	Cambridge, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02142	Cambridge, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02143	Somerville, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02144	Somerville, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02145	Somerville, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02148	Malden, MA	16.55	15.20	14.86		13.50	13.09	13.53	12.74		13.5	14.2
02149	Everett, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02150	Chelsea, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02151	Revere, MA	16.55	13.26	13.69	12.13	12.49	13.09	12.02	11.65		12.5	13.1
02152	Winthrop, MA	16.55	15.20	14.86		13.50	13.09	13.53	12.74		13.5	14.2
02153	Medford, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02155	Medford, MA	15.62	15.06	14.86		13.46	13.00	13.47	12.78		13.5	14.0
02163	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42		13.3	13.6
02169	Quincy, MA		12.29			12.10					12.1	12.2
02170	Quincy, MA		12.29			12.10					12.1	12.2

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
02171	Quincy, MA		11.62	14.46	14.69	12.32	12.51	12.87	12.49	13.2	13.0
02176	Melrose, MA	16.55	15.20	13.92		13.50	12.56	12.69	11.82	12.9	13.7
02184	Braintree, MA		12.29			12.10				12.1	12.2
02186	Milton, MA		11.62	13.12	14.69	11.72	11.40	11.38	11.33	12.3	12.2
02199	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42	13.3	13.6
02210	Boston, MA	15.62	13.34	14.28	14.69	12.77	12.60	12.94	12.42	13.3	13.6
02215	Boston, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42	13.3	13.6
02301	Brockton, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02302	Brockton, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02322	Avon, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02343	Holbrook, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02351	Abington, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02379	West Bridgewater, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02382	Whitman, MA		11.41		12.23	12.00	9.87	10.18	10.45	10.9	11.0
02445	Brookline, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42	13.3	13.6
02446	Brookline, MA	15.62	13.69	14.28	14.69	12.93	12.60	12.94	12.42	13.3	13.6
02467	Chestnut Hill, MA	14.68	12.94	13.12	14.69	12.37	12.10	12.36	12.10	12.8	13.0
02472	Watertown, MA	14.68	14.92			13.39	12.81	13.35	12.87	13.1	13.7
02478	Belmont, MA	14.68	14.92			13.39	12.81	13.35	12.87	13.1	13.7
02719	Fairhaven, MA		12.12		12.67	10.84				11.8	11.9
02720	Fall River, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02721	Fall River, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02723	Fall River, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02724	Fall River, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02725	Somerset, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02726	Somerset, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02740	New Bedford, MA		12.12		12.67	10.84				11.8	11.9
02743	Acushnet, MA		12.12		12.67	10.84				11.8	11.9
02744	New Bedford, MA		12.12		12.67	10.84				11.8	11.9
02745	New Bedford, MA		12.12		12.67	10.84				11.8	11.9
02746	New Bedford, MA		12.12		12.67	10.84				11.8	11.9
02747	North Dartmouth, MA		12.12		12.67	10.84				11.8	11.9
02748	South Dartmouth, MA		12.12		12.67	10.84				11.8	11.9
02771	Seekonk, MA		13.49	12.65	13.00	12.16	11.72	10.96	11.31	12.0	12.2
02777	Swansea, MA		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02814	Chepachet, RI			10.11	10.39	9.51				10.0	10.0
02817	West Greenwich, RI		10.74	8.81	9.38	8.73	8.63	7.99		8.7	9.0
02830	Harrisville, RI			10.11	10.39	9.51				10.0	10.0
02835	Jamestown, RI			8.81	10.21	7.48				8.8	8.8
02839	Mapleville, RI			10.11	10.39	9.51				10.0	10.0
02857	North Scituate, RI			10.11	10.39	9.51				10.0	10.0
02858	Oakland, RI			10.11	10.39	9.51				10.0	10.0
02859	Pascoag, RI			10.11	10.39	9.51				10.0	10.0
02860	Pawtucket, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02861	Pawtucket, RI		13.49	12.65	13.00	12.16	11.72	11.37	11.31	12.0	12.2
02863	Central Falls, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02865	Lincoln, RI		12.79	12.51		13.44	12.99	11.90	12.37	12.6	12.7
02874	Saunderstown, RI			8.81	10.21	7.48				8.8	8.8
02878	Tiverton, RI		11.75	11.70	13.34	11.63	10.21	10.25	10.05	11.2	11.3
02882	Narragansett, RI			8.81	10.21	7.48				8.8	8.8
02888	Warwick, RI		14.18	12.93	13.25	10.87	11.58	11.69	10.94	11.9	12.2
02903	Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02904	Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02905	Providence, RI		14.18	12.13	12.72	10.88	11.02	11.14	10.71	11.4	11.8
02906	Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02907	Providence, RI		14.18	12.13	12.72	11.73	11.68	11.33	11.13	11.8	12.1
02908	Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02909	Providence, RI		14.18	12.93	13.25	10.87	11.58	11.69	10.94	11.9	12.2
02910	Cranston, RI		14.18	12.93	13.25	10.87	11.58	11.69	10.94	11.9	12.2
02911	North Providence, RI		14.18	12.93	13.25	10.87	11.58	11.69	10.94	11.9	12.2

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
02912	Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02914	East Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02915	Riverside, RI		14.18	12.13	12.72	10.88	11.02	11.14	10.71	11.4	11.8
02916	Rumford, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02918	Providence, RI		13.49	12.22	12.72	11.73	11.68	11.33	11.13	11.8	12.0
02920	Cranston, RI		14.18	12.93	13.25	10.87	11.58	11.69	10.94	11.9	12.2
03051	Hudson, NH	10.28	11.10	10.29	10.83		9.72	9.41	10.53	10.2	10.3
03052	Litchfield, NH	11.56	13.50	10.29	10.83				10.53	10.5	11.3
03060	Nashua, NH	10.28	11.10	10.29	10.83		9.72	9.41	10.53	10.2	10.3
03062	Nashua, NH	10.28	11.10	10.29	10.83		9.72	9.41	10.53	10.2	10.3
03063	Nashua, NH	11.56	13.50	10.29	10.83				10.53	10.5	11.3
03064	Nashua, NH	10.28	11.10	10.29	10.83		9.72	9.41	10.53	10.2	10.3
03076	Pelham, NH					11.32				11.3	11.3
03084	Temple, NH						6.54	5.88	6.40	6.3	6.3
03101	Manchester, NH			10.50		10.98	10.34	9.61	10.52	10.4	10.4
03102	Manchester, NH			10.50		10.98	10.34	9.61	10.52	10.4	10.4
03103	Manchester, NH			10.50		10.98	10.34	9.61	10.52	10.4	10.4
03104	Manchester, NH			10.50		10.98	10.34	9.61	10.52	10.4	10.4
03106	Hooksett, NH			10.50		10.98	10.34	9.70	10.31	10.4	10.4
03109	Manchester, NH			10.50		10.98	10.34	9.61	10.52	10.4	10.4
03110	Bedford, NH			10.50		10.98	10.34	9.61	10.52	10.4	10.4
03246	Laconia, NH					7.15	7.22	7.01	7.47	7.2	7.2
03249	Gilford, NH					7.15	7.22	7.01	7.47	7.2	7.2
03253	Meredith, NH					7.15	7.22	7.01	7.47	7.2	7.2
03255	Newbury, NH		8.24		5.93					5.9	7.1
03275	Suncook, NH							9.79	10.09	9.9	9.9
03301	Concord, NH	11.09	10.80	10.35	9.69	9.92	9.24			9.8	10.2
03304	Bow, NH	11.09	10.80	10.35	9.69	9.92	9.24	9.79	10.09	9.8	10.1
03431	Keene, NH	15.50	14.26		11.63	11.78	12.03	10.86	11.97	11.7	12.6
03446	Swanzey, NH	15.50	14.26		11.63	11.78	12.03	10.86	11.97	11.7	12.6
03458	Peterborough, NH						6.54	5.88	6.40	6.3	6.3
03570	Berlin, NH	12.54	12.65	10.09	10.46	8.75	9.73	10.83	10.61	10.1	10.7
03581	Gorham, NH	12.54	12.65	10.09	10.46	8.75	9.73	10.83	10.61	10.1	10.7
03740	Bath, NH						7.69	7.57		7.6	7.6
03743	Claremont, NH	11.19	11.03		9.78	9.58	10.50	9.21	10.81	10.0	10.3
03752	Goshen, NH		8.24		5.93					5.9	7.1
03765	Haverhill, NH						7.69	7.57		7.6	7.6
03766	Lebanon, NH								9.23	9.2	9.2
03774	North Haverhill, NH						7.69	7.57		7.6	7.6
03780	Pike, NH						7.69	7.57		7.6	7.6
03781	Plainfield, NH								9.23	9.2	9.2
03782	Sunapee, NH		8.24		5.93					5.9	7.1
03784	West Lebanon, NH								9.23	9.2	9.2
03785	Woodsville, NH						7.69	7.57		7.6	7.6
03801	Portsmouth, NH	11.21	11.21	9.93		10.17	9.59	9.02	9.01	9.5	10.0
03811	Atkinson, NH		11.60	11.00			9.01	9.52	9.44	9.7	10.1
03840	Greenland, NH	11.21	11.21	9.93						9.9	10.8
03854	New Castle, NH	11.21	11.21	9.93		10.17	9.59	9.02	9.01	9.5	10.0
03865	Plaistow, NH		11.60	11.00			9.01	9.52	9.44	9.7	10.1
03870	Rye, NH	11.21	11.21	9.93		10.17	9.59	9.02	9.01	9.5	10.0
03903	Eliot, ME	11.21	11.21	9.93		10.17	9.59	9.02	9.01	9.5	10.0
03904	Kittery, ME	11.21	11.21	9.93		10.17	9.59	9.02	9.01	9.5	10.0
03905	Kittery Point, ME	11.21	11.21	9.93		10.17	9.59	9.02	9.01	9.5	10.0
04005	Biddeford, ME			9.36	10.02	9.04	10.30			9.7	9.7
04038	Gorham, ME			9.36	10.41	9.64				9.8	9.8
04064	Old Orchard Beach, ME			9.36	10.02	9.04	10.30			9.7	9.7
04072	Saco, ME			9.36	10.02	9.04	10.30			9.7	9.7
04092	Westbrook, ME			9.36	10.41	9.64				9.8	9.8
04101	Portland, ME	11.50	9.76	10.92	11.94	11.35	12.44	11.82	10.77	11.5	11.3
04102	Portland, ME	11.50	9.76	10.92	11.94	11.35	12.44	11.82	10.77	11.5	11.3

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
04103	Portland, ME	11.50	9.76	10.40	11.43	10.49	12.44	11.82	10.77	11.2	11.1
04105	Falmouth, ME	11.50	9.76	10.92	11.94	11.35	12.44	11.82	10.77	11.5	11.3
04106	South Portland, ME	11.50	9.76	10.92	11.94	11.35	12.44	11.82	10.77	11.5	11.3
04107	Cape Elizabeth, ME	11.50	9.76	10.05	10.88	9.59	12.44	11.82	10.77	10.9	10.9
04108	Peaks Island, ME	11.50	9.76	10.92	11.94	11.35	12.44	11.82	10.77	11.5	11.3
04109	Portland, ME	11.50	9.76	10.05	10.88	9.59	12.44	11.82	10.77	10.9	10.9
04210	Auburn, ME	9.86	9.99	9.60	11.31	10.45	11.41	10.26	10.22	10.5	10.4
04240	Lewiston, ME	9.86	9.99	9.60	11.31	10.45	11.41	10.26	10.22	10.5	10.4
04257	Mexico, ME		10.22			9.03	10.95	10.62	9.58	10.0	10.1
04276	Rumford, ME		10.22			9.03	10.95	10.62	9.58	10.0	10.1
04330	Augusta, ME			9.57	10.87	9.18	12.34	9.64	10.12	10.3	10.3
04344	Farmingdale, ME			9.57	10.87	9.18	12.34	9.64	10.12	10.3	10.3
04346	Randolph, ME			9.57	10.87	9.18	12.34	9.64	10.12	10.3	10.3
04347	Hallowell, ME			9.57	10.87	9.18	12.34	9.64	10.12	10.3	10.3
04351	Manchester, ME			9.57	10.87	9.18	12.34	9.64	10.12	10.3	10.3
04401	Bangor, ME	9.47	8.98	9.20	10.09	10.26	10.81	8.76	9.38	9.7	9.6
04411	Bradley, ME		8.57	8.32	9.77	9.13				9.1	8.9
04412	Brewer, ME	9.47	8.98	9.20	10.09	10.26	10.81	8.76	9.38	9.7	9.6
04461	Milford, ME		8.57	8.32	9.77	9.13				9.1	8.9
04468	Old Town, ME		8.57	8.32	9.77	9.13				9.1	8.9
04469	Orono, ME		8.57	8.32	9.77	9.13				9.1	8.9
04473	Orono, ME		8.57	8.32	9.77	9.13				9.1	8.9
04474	Orrington, ME	9.47	8.98	9.20	10.09	10.26	10.81	8.76	9.38	9.7	9.6
04609	Bar Harbor, ME			5.63	6.63	6.01	6.74	5.86	5.92	6.1	6.1
04660	Mount Desert, ME			5.63	6.63	6.01	6.74	5.86	5.92	6.1	6.1
04745	Frenchville, ME	12.48	10.64	10.34	11.29	11.72	11.46	10.33	9.04	10.7	10.9
04756	Madawaska, ME	12.48	10.64	10.34	11.29	11.72	11.46	10.33	9.04	10.7	10.9
04769	Presque Isle, ME	10.26	8.10	7.58	8.29	9.12	9.75	9.08	7.94	8.6	8.8
04841	Rockland, ME	7.09	7.64		7.64	6.27				7.0	7.2
04854	Owls Head, ME	7.09	7.64		7.64	6.27				7.0	7.2
04858	South Thomaston, ME	7.09	7.64		7.64	6.27				7.0	7.2
04861	Thomaston, ME	7.09	7.64		7.64	6.27				7.0	7.2
04901	Waterville, ME			10.16	11.30	9.12	12.34	9.68		10.5	10.5
04937	Fairfield, ME			10.16	11.30	9.12	12.34	9.68		10.5	10.5
05001	White River Junction, VT								9.23	9.2	9.2
05051	Newbury, VT						7.69	7.57		7.6	7.6
05052	North Hartland, VT								9.23	9.2	9.2
05201	Bennington, VT		9.91	9.45	10.21	11.01	8.72	8.76	9.52	9.6	9.7
05257	North Bennington, VT		9.91	9.45	10.21	11.01	8.72	8.76	9.52	9.6	9.7
05260	North Pownal, VT						8.72	8.76	9.52	9.0	9.0
05401	Burlington, VT			8.22	9.77	9.97	9.69	9.73	9.81	9.5	9.5
05403	South Burlington, VT			8.22	9.77	9.97	9.69	9.73	9.81	9.5	9.5
05404	Winooski, VT			8.22	9.77	9.97	9.69	9.73	9.81	9.5	9.5
05405	Burlington, VT			8.22	9.77	9.97	9.69	9.73	9.81	9.5	9.5
05408	Burlington, VT			8.22	9.77	9.97	9.69	9.73	9.81	9.5	9.5
05446	Colchester, VT			8.22	9.77	9.97	9.69	9.73	9.81	9.5	9.5
05482	Shelburne, VT						10.12	10.06	9.89	10.0	10.0
05489	Underhill, VT	9.01	6.98	5.89	7.39	8.05				7.1	7.5
05641	Barre, VT		10.79	10.06	10.49	11.20				10.6	10.6
05651	East Montpelier, VT		10.79	10.06	10.49	11.20				10.6	10.6
05654	Graniteville, VT		10.79	10.06	10.49	11.20				10.6	10.6
05679	Williamstown, VT		10.79	10.06	10.49	11.20				10.6	10.6
05701	Rutland, VT	14.09	10.89	11.11	11.95	11.83		11.23	11.84	11.6	11.8
05734	Bridport, VT							9.25	9.74	9.5	9.5
05736	Center Rutland, VT	14.09	10.89	11.11	11.95	11.83		11.23	11.84	11.6	11.8
05759	North Clarendon, VT	14.09	10.89	11.11	11.95	11.83		11.23	11.84	11.6	11.8
05765	Proctor, VT	14.09	10.89	11.11	11.95	11.83		11.23	11.84	11.6	11.8
05770	Shoreham, VT							9.41	9.55	9.5	9.5
05777	West Rutland, VT	14.09	10.89	11.11	11.95	11.83		11.23	11.84	11.6	11.8
06095	Windsor, CT		10.79	10.67	12.27	11.80	11.72	10.90	11.47	11.5	11.4

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
06103	Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06105	Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06106	Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06107	West Hartford, CT			11.82	13.01	13.23	13.02			12.8	12.8
06108	East Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06109	Wethersfield, CT			11.82	13.01	13.23	13.02			12.8	12.8
06110	West Hartford, CT			11.82	13.01	13.23	13.02			12.8	12.8
06112	Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06114	Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06117	West Hartford, CT			11.82	13.01	13.23	13.02			12.8	12.8
06118	East Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06119	West Hartford, CT			11.82	13.01	13.23	13.02			12.8	12.8
06120	Hartford, CT		10.79	11.25	12.64	12.51	12.37	10.90	11.47	11.9	11.7
06334	Bozrah, CT	13.33	12.22	11.05	12.74	11.68	11.68	10.58	11.74	11.6	11.9
06360	Norwich, CT	13.33	12.22	11.05	12.74	11.68	11.68	10.58	11.74	11.6	11.9
06365	Preston, CT	13.33	12.22	11.05	12.74	11.68	11.68	10.58	11.74	11.6	11.9
06380	Taftville, CT	13.33	12.22	11.05	12.74	11.68	11.68	10.58	11.74	11.6	11.9
06382	Uncasville, CT	13.33	12.22	11.05	12.74	11.68	11.68	10.58	11.74	11.6	11.9
06405	Branford, CT							11.53	13.07	12.3	12.3
06473	North Haven, CT			11.53	11.88	11.61	12.30	11.10	11.79	11.7	11.7
06477	Orange, CT							12.77		12.8	12.8
06510	New Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.63	12.98	13.7	14.1
06511	New Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.63	12.98	13.7	14.1
06512	East Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.63	12.98	13.7	14.1
06513	New Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.60	12.98	13.7	14.1
06514	Hamden, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.60	12.98	13.7	14.1
06515	New Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.63	12.98	13.7	14.1
06516	West Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.63	12.98	13.7	14.1
06517	Hamden, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.60	12.98	13.7	14.1
06518	Hamden, CT			11.53	11.88	11.61	12.30	11.10	11.79	11.7	11.7
06519	New Haven, CT	14.62	15.53	14.00	14.44	13.96	14.33	12.63	12.98	13.7	14.1
06525	Woodbridge, CT							12.77		12.8	12.8
06604	Bridgeport, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06605	Bridgeport, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06606	Bridgeport, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06607	Bridgeport, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06608	Bridgeport, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06610	Bridgeport, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06611	Trumbull, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06614	Stratford, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06615	Stratford, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06702	Waterbury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06704	Waterbury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06705	Waterbury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06706	Waterbury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06708	Waterbury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06710	Waterbury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06716	Wolcott, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06754	Cornwall Bridge, CT								8.77	8.8	8.8
06756	Goshen, CT								8.77	8.8	8.8
06762	Middlebury, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06770	Naugatuck, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06779	Oakville, CT	13.96	13.30	13.67	13.96	13.70	12.71	12.05	13.93	13.3	13.4
06796	West Cornwall, CT								8.77	8.8	8.8
06801	Bethel, CT			12.73	13.20	13.14	13.11	11.24	13.43	12.8	12.8
06804	Brookfield, CT			12.73	13.20	13.14	13.11	11.24	13.43	12.8	12.8
06807	Cos Cob, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06810	Danbury, CT			12.73	13.20	13.14	13.11	11.24	13.43	12.8	12.8
06811	Danbury, CT			12.73	13.20	13.14	13.11	11.24	13.43	12.8	12.8
06820	Darien, CT			12.92	13.21	13.25	13.28	11.84	13.22	13.0	13.0

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
06824	Fairfield, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06825	Fairfield, CT	14.60	13.22	14.03	13.23	13.42	12.55	12.66	14.37	13.4	13.5
06850	Norwalk, CT				13.42	13.18	13.07	11.90	13.22	13.0	13.0
06851	Norwalk, CT	14.90		13.03	12.75	12.66	12.39	11.51	12.79	12.5	12.9
06853	Norwalk, CT				13.42	13.18	13.07	11.90	13.22	13.0	13.0
06854	Norwalk, CT				13.42	13.18	13.07	11.90	13.22	13.0	13.0
06855	Norwalk, CT	14.90		13.03	12.75	12.66	12.39	11.51	12.79	12.5	12.9
06870	Old Greenwich, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06878	Riverside, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06880	Westport, CT	14.90		13.03	12.75	12.66	12.39	11.51	12.79	12.5	12.9
06890	Southport, CT	14.90		13.03	12.08	12.14	11.71	11.13	12.36	12.1	12.5
06901	Stamford, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06902	Stamford, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06903	Stamford, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06905	Stamford, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06906	Stamford, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
06907	Stamford, CT			12.92	13.00	13.32	13.50	11.77		12.9	12.9
07001	Avenel, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07002	Bayonne, NJ	13.22		13.37	13.80	13.80	11.36	12.50	13.51	13.1	13.1
07003	Bloomfield, NJ			15.56		13.74	14.06	13.24	14.36	14.2	14.2
07008	Carteret, NJ	15.18	16.15	15.60	14.25	14.09	14.79	13.80	14.70	14.5	14.8
07010	Cliffside Park, NJ	19.63	13.71	16.34	15.75	15.03	14.61	13.79	15.26	15.1	15.5
07011	Clifton, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07012	Clifton, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07013	Clifton, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07016	Cranford, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07017	East Orange, NJ			15.56		14.34	14.06	13.24	14.36	14.3	14.3
07018	East Orange, NJ		15.07	15.35		13.92	14.05	12.92	14.33	14.1	14.3
07020	Edgewater, NJ	19.63	13.71	16.34	15.75	15.03	14.61	13.79	15.26	15.1	15.5
07022	Fairview, NJ	19.63	13.71	16.53	15.90	15.16	14.52	13.81	15.65	15.3	15.6
07024	Fort Lee, NJ		13.71	15.50	15.16	14.63	14.61	13.37	14.87	14.7	14.6
07026	Garfield, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07027	Garwood, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07028	Glen Ridge, NJ			15.56		13.74	14.06	13.24	14.36	14.2	14.2
07029	Harrison, NJ			15.56		14.34	14.06	13.24	14.36	14.3	14.3
07030	Hoboken, NJ	16.88	16.10	17.18	16.44	15.92	15.41	14.68	16.09	16.0	16.1
07031	North Arlington, NJ					14.94				14.9	14.9
07032	Kearny, NJ			15.56		14.34	14.06	13.24	14.36	14.3	14.3
07033	Kenilworth, NJ		15.07	14.66	12.83	13.09	13.67	12.62	14.17	13.5	13.7
07036	Linden, NJ	15.18	15.61	15.45	14.25	13.76	14.54	13.40	14.57	14.3	14.6
07040	Maplewood, NJ		15.07	15.35		13.42	14.05	12.92	14.33	14.0	14.2
07042	Montclair, NJ			15.56		13.74	14.06	13.24	14.36	14.2	14.2
07043	Montclair, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07047	North Bergen, NJ	16.88	14.91	16.71	15.91	15.30	14.66	13.99	15.54	15.4	15.5
07050	Orange, NJ			15.56		13.74	14.06	13.24	14.36	14.2	14.2
07052	West Orange, NJ			15.56		13.74	14.06	13.24	14.36	14.2	14.2
07055	Passaic, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07064	Port Reading, NJ	15.18	16.15	15.60	14.25	14.09	14.79	13.80	14.70	14.5	14.8
07065	Rahway, NJ	15.18	16.15	15.60	14.25	14.09	14.79	13.80	14.70	14.5	14.8
07066	Clark, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07067	Colonia, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07072	Carlstadt, NJ			17.15	15.84					16.5	16.5
07074	Moonachie, NJ		13.71	15.88	15.19	13.50	13.33	12.03	14.53	14.1	14.0
07077	Sewaren, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07079	South Orange, NJ		15.07	15.35		13.42	14.05	12.92	14.33	14.0	14.2
07083	Union, NJ	15.18	15.61	15.91	15.68	13.98	14.80	13.60	14.67	14.8	14.9
07086	Weehawken, NJ	16.88	16.10	17.18	16.44	15.92	15.41	14.68	16.09	16.0	16.1
07087	Union City, NJ	16.88	16.10	17.36	16.44	15.92	15.41	14.68	16.09	16.0	16.1
07088	Vauxhall, NJ		15.07	15.35		13.42	14.05	12.92	14.33	14.0	14.2
07090	Westfield, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
07093	West New York, NJ	16.88	14.91	16.65	15.91	15.30	14.66	13.99	15.54	15.3	15.5
07094	Secaucus, NJ	14.14	16.10	17.01	15.26	14.88	15.03	13.72	15.43	15.2	15.2
07095	Woodbridge, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
07102	Newark, NJ		15.07	15.35		13.92	14.05	12.92	14.33	14.1	14.3
07103	Newark, NJ		15.07	15.35		13.92	14.05	12.92	14.33	14.1	14.3
07104	Newark, NJ			15.56		14.34	14.06	13.24	14.36	14.3	14.3
07105	Newark, NJ		15.07	15.35		13.92	14.05	12.92	14.33	14.1	14.3
07106	Newark, NJ		15.07	15.35		13.42	14.05	12.92	14.33	14.0	14.2
07107	Newark, NJ			15.56		14.34	14.06	13.24	14.36	14.3	14.3
07108	Newark, NJ	15.18	15.61	15.91	15.68	14.22	14.80	13.60	14.67	14.8	15.0
07109	Belleville, NJ			15.56		14.34	14.06	13.24	14.36	14.3	14.3
07111	Irvington, NJ		15.07	15.35		13.92	14.05	12.92	14.33	14.1	14.3
07112	Newark, NJ	15.18	15.61	15.91	15.68	14.22	14.80	13.60	14.67	14.8	15.0
07114	Newark, NJ	15.18	15.61	15.91	15.68	14.22	14.80	13.60	14.67	14.8	15.0
07201	Elizabeth, NJ	15.18	15.61	15.51	15.10	14.25	14.80	13.54	14.64	14.6	14.8
07202	Elizabeth, NJ	15.18	15.61	15.48	14.25	13.75	14.42	13.36	14.51	14.3	14.6
07203	Roselle, NJ	15.18	15.61	15.45	14.25	13.76	14.54	13.40	14.57	14.3	14.6
07204	Roselle Park, NJ	15.18	15.61	15.48	14.25	13.75	14.42	13.36	14.51	14.3	14.6
07205	Hillside, NJ	15.18	15.61	15.91	15.68	14.22	14.80	13.60	14.67	14.8	15.0
07206	Elizabethport, NJ	14.20	15.61	14.90	14.43	13.89	13.94	13.16	14.21	14.1	14.3
07208	Elizabeth, NJ	15.18	15.61	15.91	15.68	13.98	14.80	13.60	14.67	14.8	14.9
07302	Jersey City, NJ	16.88	16.10	16.66	15.78	15.11	15.41	14.42	15.83	15.5	15.8
07304	Jersey City, NJ	14.14	16.10	17.19	15.92	15.26	15.41	14.08	15.57	15.6	15.5
07305	Jersey City, NJ	14.14	16.10	16.25	15.48	15.04	15.41	13.84	15.22	15.2	15.2
07306	Jersey City, NJ	16.88	16.10	17.10	15.92	15.50	15.41	14.42	15.83	15.7	15.9
07307	Jersey City, NJ	16.88	16.10	17.36	16.44	15.92	15.41	14.68	16.09	16.0	16.1
07310	Jersey City, NJ	16.88	16.10	16.95	16.17	15.49	15.41	14.68	16.09	15.8	16.0
07407	Elmwood Park, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07410	Fair Lawn, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07424	Little Falls, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07432	Midland Park, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07450	Ridgewood, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07452	Glen Rock, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07470	Wayne, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07481	Wyckoff, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07501	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07502	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07503	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07504	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07505	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07506	Hawthorne, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07508	Haledon, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07512	Totowa, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07513	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07514	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07522	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07524	Paterson, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1
07601	Hackensack, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07603	Bogota, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07605	Leonia, NJ		13.71	15.59	15.22	14.67	14.52	13.26	15.24	14.8	14.6
07606	South Hackensack, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07608	Teterboro, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07621	Bergenfield, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07631	Englewood, NJ		13.71	15.61	15.24	14.68	14.53	13.30	15.70	14.8	14.7
07632	Englewood Cliffs, NJ		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
07643	Little Ferry, NJ		13.71	15.88	15.19	13.50	13.33	12.03	14.53	14.1	14.0
07650	Palisades Park, NJ		13.71	15.98	15.38	14.67	14.52	13.26	15.24	14.8	14.7
07657	Ridgefield, NJ		13.71	16.46	15.90	15.16	14.52	13.81	15.65	15.3	15.0
07660	Ridgefield Park, NJ		13.71	15.88	15.19	13.50	13.33	12.03	14.53	14.1	14.0
07663	Saddle Brook, NJ		12.26	13.70		13.41	13.30	12.57	13.42	13.3	13.1

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
07666	Teaneck, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07670	Tenafly, NJ		13.71	14.61	14.54	13.50	13.33	12.03	14.53	13.8	13.7
07834	Denville, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07836	Flanders, NJ		10.58	11.11	11.77	11.14	10.74	10.11	10.92	11.0	10.9
07876	Succasunna, NJ		10.58	11.11	11.77	11.14	10.74	10.11	10.92	11.0	10.9
07927	Cedar Knolls, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07930	Chester, NJ		10.58	11.11	11.77	11.14	10.74	10.11	10.92	11.0	10.9
07934	Gladstone, NJ		10.58	11.11	11.77	11.14	10.74	10.11	10.92	11.0	10.9
07935	Green Village, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07940	Madison, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07945	Mendham, NJ		10.58	11.11	11.77	11.14	10.74	10.11	10.92	11.0	10.9
07950	Morris Plains, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07960	Morristown, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07976	New Vernon, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
07981	Whippany, NJ			12.89	13.43	12.09	12.18	11.08	12.52	12.4	12.4
08002	Cherry Hill, NJ	14.45	13.89	15.28	14.23	14.36	13.92	13.17	14.33	14.2	14.2
08007	Barrington, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08010	Beverly, NJ		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
08014	Bridgeport, NJ		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
08016	Burlington, NJ		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
08020	Clarksboro, NJ			15.14	14.53	13.02	13.76	12.38	14.25	13.8	13.8
08027	Gibbstown, NJ			15.14	14.53	13.02	13.76	12.38	14.25	13.8	13.8
08030	Gloucester City, NJ	14.06	13.74	15.07	16.98	15.17	16.13	13.78	14.73	15.3	15.0
08031	Bellmawr, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08033	Haddonfield, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08035	Haddon Heights, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08045	Lawnside, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08046	Willingboro, NJ		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
08052	Maple Shade, NJ	14.85	14.05	15.48	14.23	14.62	13.92	13.16	14.27	14.3	14.3
08056	Mickleton, NJ			15.14	14.53	13.02	13.76	12.38	14.25	13.8	13.8
08059	Mount Ephraim, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08063	National Park, NJ			14.81	16.83	15.31	15.08	13.56	14.65	15.0	15.0
08065	Palmyra, NJ	14.85	14.35	15.02	15.11	14.58	13.97	13.28	13.80	14.3	14.4
08066	Paulsboro, NJ			15.14	14.53	13.02	13.76	12.38	14.25	13.8	13.8
08067	Pedricktown, NJ		14.26	15.39	15.58	14.69	14.81	13.90	14.30	14.8	14.7
08069	Penns Grove, NJ		14.26	15.39	15.58	14.69	14.81	13.90	14.30	14.8	14.7
08075	Riverside, NJ			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
08077	Riverton, NJ	14.85	14.05	15.07	14.42	14.47	13.55	12.97	13.60	14.0	14.1
08078	Runnemede, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08093	Westville, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08102	Camden, NJ	14.45	14.14	15.16	15.89	14.94	14.95	13.66	14.48	14.8	14.7
08103	Camden, NJ	14.45	14.14	15.16	15.89	14.94	14.95	13.66	14.48	14.8	14.7
08104	Camden, NJ	14.06	13.74	15.07	16.98	15.17	16.13	13.78	14.73	15.3	15.0
08105	Camden, NJ	14.45	14.14	15.16	15.89	14.94	14.95	13.66	14.48	14.8	14.7
08106	Audubon, NJ	14.06	13.74	15.07		14.11		13.17	14.39	14.2	14.1
08107	Oaklyn, NJ	14.06	13.74	15.07	16.98	15.17	16.13	13.78	14.73	15.3	15.0
08108	Collingswood, NJ	14.45	13.89	15.28	14.23	14.36	13.92	13.17	14.33	14.2	14.2
08109	Merchantville, NJ	14.45	14.14	15.16	15.35	14.51	14.36	13.41	14.29	14.5	14.5
08110	Pennsauken, NJ	14.45	14.14	15.16	15.35	14.51	14.36	13.41	14.29	14.5	14.5
08203	Brigantine, NJ					11.58	12.04	10.62	11.77	11.5	11.5
08401	Atlantic City, NJ					11.58	12.04	10.62	11.77	11.5	11.5
08406	Ventnor City, NJ					11.58	12.04	10.62	11.77	11.5	11.5
08518	Florence, NJ		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
08530	Lambertville, NJ		11.14	12.06		11.97	11.97	10.95	12.07	11.8	11.7
08534	Pennington, NJ		11.14	12.06		11.97	11.97	10.95	12.07	11.8	11.7
08560	Titusville, NJ		11.14	12.06		11.97	11.97	10.95	12.07	11.8	11.7
08608	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08609	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08610	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08611	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
08618	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08619	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08628	Trenton, NJ	14.56	12.20	13.39	14.93	12.86	12.72	11.72	12.52	13.0	13.1
08629	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08638	Trenton, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08648	Lawrence Township, NJ	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
08701	Lakewood, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08722	Beachwood, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08723	Brick, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08732	Island Heights, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08740	Ocean Gate, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08741	Pine Beach, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08753	Toms River, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08755	Toms River, NJ		10.37	11.52		11.45	11.64	10.40	11.78	11.4	11.2
08816	East Brunswick, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08817	Edison, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08830	Iselin, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
08850	Milltown, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08861	Perth Amboy, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
08863	Fords, NJ			14.17	12.83	13.08	13.29	12.64	14.04	13.3	13.3
08865	Phillipsburg, NJ			13.94	13.67	13.31	13.46	12.22	13.66	13.4	13.4
08872	Sayreville, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08882	South River, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08884	Spotswood, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08886	Stewartsville, NJ			13.94	13.67	13.31	13.46	12.22	13.66	13.4	13.4
08901	New Brunswick, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08902	North Brunswick, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
08904	Highland Park, NJ		11.49	13.14	13.23	11.82	12.96	11.19	13.41	12.6	12.5
10001	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10002	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10003	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10004	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10005	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10006	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10007	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10009	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10010	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10011	New York, NY	16.88	16.10	16.85	16.03	15.34	15.20	14.51	15.93	15.6	15.9
10012	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10013	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10014	New York, NY	16.88	16.10	16.85	16.03	15.34	15.20	14.51	15.93	15.6	15.9
10016	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10017	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10018	New York, NY	16.88	16.10	16.69	15.91	15.24	15.03	14.29	15.66	15.5	15.7
10019	New York, NY	16.88	16.10	16.94	16.05	15.48	15.03	14.29	15.66	15.6	15.8
10020	New York, NY	16.88	16.10	16.94	16.05	15.48	15.03	14.29	15.66	15.6	15.8
10021	New York, NY	19.63	13.71	16.47	15.89	15.23	14.84	14.04	15.46	15.3	15.7
10022	New York, NY	19.63		16.95	16.33	15.60	15.03	14.40	15.71	15.7	16.2
10023	New York, NY	16.88	14.91	16.65	15.85	15.28	14.86	14.04	15.67	15.4	15.5
10024	New York, NY	19.63	13.71	16.47	15.89	15.23	14.84	14.04	15.46	15.3	15.7
10025	New York, NY	19.63	13.71	16.47	15.89	15.23	14.84	14.04	15.46	15.3	15.7
10026	New York, NY	19.63	13.71	16.33	15.69	15.13	14.65	13.98	15.43	15.2	15.6
10027	New York, NY	19.63	13.71	16.21	15.73	15.03	14.61	13.79	15.26	15.1	15.5
10028	New York, NY	19.63	13.71	16.47	15.89	15.23	14.84	14.04	15.46	15.3	15.7
10029	New York, NY	19.63	13.71	16.21	15.66	15.13	14.65	13.98	15.43	15.2	15.6
10030	New York, NY		13.71	15.86	15.50	14.86	14.37	13.61	15.04	14.9	14.7
10031	New York, NY		13.71	15.79	15.50	14.86	14.37	13.61	15.04	14.9	14.7
10032	New York, NY		13.71	15.79	15.50	14.86	14.37	13.61	15.04	14.9	14.7
10033	New York, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10034	New York, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
10035	New York, NY	19.63	13.71	15.98	15.48	14.99	14.45	13.82	15.24	15.0	15.4
10036	New York, NY	16.88	16.10	16.94	16.05	15.48	15.03	14.29	15.66	15.6	15.8
10037	New York, NY		13.71	15.86	15.50	14.86	14.37	13.61	15.04	14.9	14.7
10038	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10039	New York, NY		13.71	15.79	15.50	14.86	14.37	13.61	15.04	14.9	14.7
10040	New York, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10044	New York, NY	19.63		16.70	16.08	15.48	15.14	14.33	15.60	15.6	16.1
10065	New York, NY	19.63		16.70	16.08	15.48	15.14	14.33	15.60	15.6	16.1
10075	New York, NY	19.63	13.71	16.47	15.89	15.23	14.84	14.04	15.46	15.3	15.7
10128	New York, NY	19.63	13.71	16.47	15.89	15.23	14.84	14.04	15.46	15.3	15.7
10280	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10282	New York, NY	16.88	16.10	16.85	16.03	15.25	15.20	14.51	15.93	15.6	15.8
10301	Staten Island, NY	13.22		13.37	14.55	13.72	11.36	12.50	13.51	13.2	13.2
10302	Staten Island, NY	14.20	16.15	14.59	14.43	13.86	13.82	13.32	14.12	14.0	14.3
10303	Staten Island, NY	14.20	15.61	14.73	14.43	13.66	13.89	13.14	14.17	14.0	14.2
10304	Staten Island, NY	13.22		13.37	14.55	13.72	11.36	12.50	13.51	13.2	13.2
10305	Staten Island, NY	13.22		13.37	14.55	13.72	11.36	12.50	13.51	13.2	13.2
10306	Staten Island, NY	13.22		13.37	13.80	13.23	11.36	12.50	13.51	13.0	13.0
10308	Staten Island, NY	13.22		13.37	13.80	13.23	11.36	12.50	13.51	13.0	13.0
10310	Staten Island, NY	13.22		13.37	13.80	13.23	11.36	12.50	13.51	13.0	13.0
10312	Staten Island, NY	13.22		12.43	13.08	12.09	11.36	11.65	12.48	12.2	12.3
10314	Staten Island, NY	14.20	16.15	14.59	14.43	13.86	13.82	13.32	14.12	14.0	14.3
10451	Bronx, NY		13.71	15.79	15.50	14.86	14.37	13.61	15.04	14.9	14.7
10452	Bronx, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10453	Bronx, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10454	Bronx, NY		13.71	15.60	15.26	14.86	14.37	13.61	15.04	14.8	14.6
10455	Bronx, NY		13.71	15.51	15.26	14.86	14.37	13.61	15.04	14.8	14.6
10456	Bronx, NY		13.71	15.02	14.81	14.50	14.37	13.24	14.67	14.4	14.3
10457	Bronx, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10458	Bronx, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10459	Bronx, NY		13.71	15.02	14.70	14.36	14.37	13.24	14.67	14.4	14.3
10460	Bronx, NY			15.11	14.73	14.54	14.64	13.55	14.71	14.5	14.5
10461	Bronx, NY			15.00	14.63	14.51	14.68	13.67	14.83	14.6	14.6
10462	Bronx, NY			15.00	14.63	14.51	14.68	13.67	14.83	14.6	14.6
10463	Bronx, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10464	Bronx, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10465	Bronx, NY			14.46	14.28	13.79	13.95	12.87	13.34	13.8	13.8
10466	Bronx, NY			14.33	14.37	13.99	13.42	12.73	13.90	13.8	13.8
10467	Bronx, NY			15.40	15.09	14.78	14.68	13.67	14.83	14.7	14.7
10468	Bronx, NY		13.71	15.27	15.00	14.50	14.37	13.24	14.67	14.5	14.4
10469	Bronx, NY			15.40	15.09	14.78	14.68	13.67	14.83	14.7	14.7
10470	Bronx, NY			15.47	15.15	14.92	14.58	13.65	15.38	14.9	14.9
10471	Bronx, NY			15.40	15.09	14.78	14.68	13.67	14.83	14.7	14.7
10472	Bronx, NY			15.11	14.73	14.54	14.64	13.55	14.71	14.5	14.5
10473	Bronx, NY			15.11	14.73	14.54	14.64	13.55	14.71	14.5	14.5
10474	Bronx, NY			15.11	14.73	14.54	14.64	13.55	14.71	14.5	14.5
10475	Bronx, NY			13.53	13.66	13.14	12.78	12.00	13.15	13.0	13.0
10528	Harrison, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10538	Larchmont, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10543	Mamaroneck, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10550	Mount Vernon, NY			13.53	13.66	13.14	12.78	12.00	13.15	13.0	13.0
10552	Mount Vernon, NY			13.53	13.66	13.14	12.78	12.00	13.15	13.0	13.0
10553	Mount Vernon, NY			13.53	13.66	13.14	12.78	12.00	13.15	13.0	13.0
10583	Scarsdale, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10605	White Plains, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10701	Yonkers, NY			14.33	14.37	13.99	13.42	12.73	13.90	13.8	13.8
10703	Yonkers, NY			14.33	14.37	13.99	13.42	12.73	13.90	13.8	13.8
10704	Yonkers, NY			14.33	14.37	13.99	13.42	12.73	13.90	13.8	13.8
10705	Yonkers, NY			15.47	15.15	14.92	14.58	13.65	15.38	14.9	14.9
10707	Tuckahoe, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
10708	Bronxville, NY			13.53	13.66	13.14	12.78	12.00	13.15	13.0	13.0
10709	Eastchester, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10710	Yonkers, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10801	New Rochelle, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10803	Pelham, NY			13.53	13.66	13.14	12.78	12.00	13.15	13.0	13.0
10804	New Rochelle, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
10805	New Rochelle, NY			12.73	12.94	12.29	12.15	11.27	12.41	12.3	12.3
11001	Floral Park, NY			13.07						13.1	13.1
11003	Elmont, NY			12.65	12.86	11.93	12.41	11.41	12.40	12.3	12.3
11004	Glen Oaks, NY			13.07						13.1	13.1
11005	Floral Park, NY			13.07	12.26	11.84				12.4	12.4
11020	Great Neck, NY			13.07	12.26	11.84				12.4	12.4
11021	Great Neck, NY			13.07						13.1	13.1
11023	Great Neck, NY			13.07						13.1	13.1
11024	Great Neck, NY			13.07						13.1	13.1
11030	Manhasset, NY			13.07	12.26	11.84				12.4	12.4
11040	New Hyde Park, NY			13.07	12.26	11.84				12.4	12.4
11042	New Hyde Park, NY			13.07	12.26	11.84				12.4	12.4
11050	Port Washington, NY				12.26	11.84				12.0	12.0
11096	Inwood, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11101	Long Island City, NY	19.63		16.64	16.15	15.42	14.99	14.29	15.38	15.5	16.1
11102	Astoria, NY	19.63		16.10	15.54	15.40	14.98	14.31	15.58	15.3	15.9
11103	Astoria, NY	19.63		16.10	15.33	15.15	14.98	14.31	15.58	15.2	15.9
11104	Sunnyside, NY	19.63		16.01	15.47	15.31	14.73	14.25	15.32	15.2	15.8
11105	Astoria, NY	19.63		16.10	15.33	14.98	14.98	14.15	15.42	15.2	15.8
11106	Astoria, NY	19.63		16.28	15.79	15.48	15.14	14.33	15.60	15.4	16.0
11109	Long Island City, NY	19.63		16.66	16.12	15.30	15.03	14.40	15.71	15.5	16.1
11201	Brooklyn, NY	16.88	16.10	16.80	16.07	15.25	15.20	14.51	15.93	15.6	15.8
11203	Brooklyn, NY			15.56	15.49	14.36	14.80	13.84	15.31	14.9	14.9
11204	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11205	Brooklyn, NY	19.63		16.78	16.34	15.31	15.29	14.71	16.06	15.7	16.3
11206	Brooklyn, NY	19.63		16.78	16.42	15.43	15.29	14.71	16.06	15.8	16.3
11207	Brooklyn, NY			15.56	15.22	14.19	14.80	13.84	15.31	14.8	14.8
11208	Brooklyn, NY				14.18	12.98	13.54	12.17	12.38	13.0	13.0
11209	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11210	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11211	Brooklyn, NY	19.63		16.78	16.42	15.43	15.29	14.71	16.06	15.8	16.3
11212	Brooklyn, NY			15.56	15.22	14.19	14.80	13.84	15.31	14.8	14.8
11213	Brooklyn, NY	19.63		16.38	15.90	15.14	15.29	14.46	15.79	15.5	16.1
11214	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11215	Brooklyn, NY	19.63		16.38	15.93	15.05	15.29	14.46	15.79	15.5	16.1
11216	Brooklyn, NY	19.63		16.78	16.34	15.31	15.29	14.71	16.06	15.7	16.3
11217	Brooklyn, NY	16.88	16.10	16.80	16.07	15.25	15.20	14.51	15.93	15.6	15.8
11218	Brooklyn, NY			16.21	15.93	14.76	15.29	14.14	15.51	15.3	15.3
11219	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11220	Brooklyn, NY			16.21	16.13	14.82	15.78	14.45	15.71	15.5	15.5
11221	Brooklyn, NY	19.63		16.78	16.42	15.43	15.29	14.71	16.06	15.8	16.3
11222	Brooklyn, NY	19.63		16.58	16.18	15.30	15.03	14.40	15.71	15.5	16.1
11223	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11224	Brooklyn, NY				16.04	14.69				15.4	15.4
11225	Brooklyn, NY	19.63		16.38	15.93	15.05	15.29	14.46	15.79	15.5	16.1
11226	Brooklyn, NY			16.23	15.93	15.05	15.29	14.46	15.79	15.5	15.5
11228	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11229	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11230	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11231	Brooklyn, NY	16.88	16.10	16.80	16.07	15.25	15.20	14.51	15.93	15.6	15.8
11232	Brooklyn, NY	14.14	16.10	16.44	15.76	15.11	15.41	14.42	15.83	15.5	15.4
11233	Brooklyn, NY			15.56	15.22	14.86	14.80	14.46	15.83	15.1	15.1
11234	Brooklyn, NY			14.88	15.09	13.81				14.6	14.6
11236	Brooklyn, NY			14.88	15.09	13.81				14.6	14.6

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
11237	Brooklyn, NY	19.63		16.78	16.42	15.43	15.29	14.71	16.06	15.8	16.3
11238	Brooklyn, NY	19.63		16.78	16.34	15.31	15.29	14.71	16.06	15.7	16.3
11251	Brooklyn, NY	16.88	16.10	16.80	16.07	15.25	15.20	14.51	15.93	15.6	15.8
11252	Brooklyn, NY			14.88	15.56	14.25				14.9	14.9
11354	Flushing, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11355	Flushing, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11356	College Point, NY			14.52	14.26	13.72	14.21	12.93	13.06	13.8	13.8
11357	Whitestone, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11358	Flushing, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11359	Bayside, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11360	Bayside, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11361	Bayside, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11362	Little Neck, NY			13.07						13.1	13.1
11363	Little Neck, NY			13.07	14.12	13.33	13.54	12.17	12.38	13.1	13.1
11364	Oakland Gardens, NY			13.07	14.12	13.33	13.54	12.17	12.38	13.1	13.1
11365	Fresh Meadows, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11366	Fresh Meadows, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11367	Flushing, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11368	Corona, NY			14.52	14.26	13.72	14.21	12.93	13.06	13.8	13.8
11369	East Elmhurst, NY			15.49	14.79	14.38	14.69	13.49	14.52	14.6	14.6
11370	East Elmhurst, NY			15.98	15.19	14.70	14.69	13.82	14.91	14.9	14.9
11371	Flushing, NY			15.98	15.19	14.70	14.69	13.82	14.91	14.9	14.9
11372	Jackson Heights, NY			15.85	15.08	14.50	14.43	13.67	14.52	14.7	14.7
11373	Elmhurst, NY			15.21	14.60	14.08	14.43	13.22	13.94	14.2	14.2
11374	Rego Park, NY			13.80	14.02	13.33	13.54	12.17	12.38	13.2	13.2
11375	Forest Hills, NY			13.80	14.02	13.33	13.54	12.17	12.38	13.2	13.2
11377	Woodside, NY	19.63		16.01	15.08	14.74	14.43	13.90	14.83	14.8	15.5
11378	Maspeth, NY	19.63		16.17	15.10	14.78	14.28	13.95	15.05	14.9	15.6
11379	Middle Village, NY			15.03	14.35	13.74	14.17	13.00	13.84	14.0	14.0
11385	Ridgewood, NY			15.56	14.87	13.79	14.17	13.00	13.84	14.2	14.2
11411	Cambria Heights, NY			12.65	12.86	11.93	12.41	11.41	12.40	12.3	12.3
11412	Saint Albans, NY			12.65	13.52	12.45	12.98	11.79	12.39	12.6	12.6
11413	Springfield Gardens, NY			12.65	12.86	11.93	12.41	11.41	12.40	12.3	12.3
11414	Howard Beach, NY				14.18	12.98	13.54	12.17	12.38	13.0	13.0
11415	Kew Gardens, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11416	Ozone Park, NY				14.18	12.98	13.54	12.17	12.38	13.0	13.0
11417	Ozone Park, NY				14.18	12.98	13.54	12.17	12.38	13.0	13.0
11418	Richmond Hill, NY			13.80	14.02	13.33	13.54	12.17	12.38	13.2	13.2
11419	South Richmond Hill, NY				14.12	13.33	13.54	12.17	12.38	13.1	13.1
11420	South Ozone Park, NY				14.18	12.98	13.54	12.17	12.38	13.0	13.0
11421	Woodhaven, NY			13.80	14.02	13.33	13.54	12.17	12.38	13.2	13.2
11422	Rosedale, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11423	Hollis, NY			13.07	14.12	13.33	13.54	12.17	12.38	13.1	13.1
11426	Bellerose, NY			13.07						13.1	13.1
11427	Queens Village, NY			13.07	14.18	12.98	13.54	12.17	12.38	13.1	13.1
11428	Queens Village, NY			13.07	14.18	12.98	13.54	12.17	12.38	13.1	13.1
11429	Queens Village, NY			12.65	13.52	12.45	12.98	11.79	12.39	12.6	12.6
11430	Jamaica, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11432	Jamaica, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11433	Jamaica, NY			12.65	13.70	12.86	12.98	11.79	12.39	12.7	12.7
11434	Jamaica, NY			12.65	13.52	12.45	12.98	11.79	12.39	12.6	12.6
11435	Jamaica, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11436	Jamaica, NY			12.22	13.52	12.45	12.98	11.79	12.39	12.6	12.6
11439	Jamaica, NY			13.44	14.02	13.33	13.54	12.17	12.38	13.1	13.1
11501	Mineola, NY				12.26	11.84				12.0	12.0
11507	Albertson, NY				12.26	11.84				12.0	12.0
11509	Atlantic Beach, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11514	Carle Place, NY				12.26	11.84				12.0	12.0
11516	Cedarhurst, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11518	East Rockaway, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
11530	Garden City, NY				12.26	11.84				12.0	12.0
11542	Glen Cove, NY				12.26	11.84				12.0	12.0
11545	Glen Head, NY				12.26	11.84				12.0	12.0
11548	Greenvale, NY				12.26	11.84				12.0	12.0
11549	Hempstead, NY				12.26	11.84				12.0	12.0
11550	Hempstead, NY				12.26	11.84				12.0	12.0
11554	East Meadow, NY				12.51	11.78				12.1	12.1
11557	Hewlett, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11558	Island Park, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11559	Lawrence, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11561	Long Beach, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11563	Lynbrook, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11565	Malverne, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11568	Old Westbury, NY				12.26	11.84				12.0	12.0
11576	Roslyn, NY				12.26	11.84				12.0	12.0
11577	Roslyn Heights, NY				12.26	11.84				12.0	12.0
11579	Sea Cliff, NY				12.26	11.84				12.0	12.0
11580	Valley Stream, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11581	Valley Stream, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11590	Westbury, NY				12.38	11.81				12.1	12.1
11596	Williston Park, NY				12.26	11.84				12.0	12.0
11598	Woodmere, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11691	Far Rockaway, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11692	Arverne, NY			12.22	12.86	11.93	12.41	11.41	12.40	12.2	12.2
11701	Amityville, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11704	West Babylon, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11714	Bethpage, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
11726	Copiague, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11735	Farmingdale, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
11746	Huntington Station, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11747	Melville, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
11753	Jericho, NY				12.51	11.78				12.1	12.1
11756	Levittown, NY				12.51	11.78				12.1	12.1
11757	Lindenhurst, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11758	Massapequa, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
11762	Massapequa Park, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11783	Seaford, NY				12.51	11.78				12.1	12.1
11791	Syosset, NY				12.51	11.78				12.1	12.1
11793	Wantagh, NY				12.51	11.78				12.1	12.1
11797	Woodbury, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
11798	Wyandanch, NY			12.62	13.02	11.97	11.87	10.69	12.00	12.0	12.0
11801	Hicksville, NY				12.51	11.78				12.1	12.1
11803	Plainview, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
11804	Old Bethpage, NY			12.62	12.76	11.88	11.87	10.69	12.00	12.0	12.0
12008	Alplaus, NY			10.75	10.83	11.45				11.0	11.0
12077	Glenmont, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12110	Latham, NY			10.33	10.54	11.44				10.8	10.8
12144	Rensselaer, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12189	Watervliet, NY			10.33	10.54	11.44				10.8	10.8
12202	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12203	Albany, NY			10.33	10.54	11.44				10.8	10.8
12204	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12205	Albany, NY			10.33	10.54	11.44				10.8	10.8
12206	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12207	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12208	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12209	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12210	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12211	Albany, NY			11.38	10.54	11.44	11.79	11.04	12.47	11.4	11.4
12302	Schenectady, NY			10.75	10.83	11.45				11.0	11.0

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
12303	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12304	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12305	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12306	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12307	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12308	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12309	Schenectady, NY			10.75	10.83	11.45				11.0	11.0
12508	Beacon, NY			11.87	11.58	11.51	11.79	10.42	12.09	11.5	11.5
12518	Cornwall, NY			11.87	11.58	11.51	11.79	10.42	12.09	11.5	11.5
12520	Cornwall on Hudson, NY			11.87	11.58	11.51	11.79	10.42	12.09	11.5	11.5
12528	Highland, NY			11.55	11.17	11.16				11.3	11.3
12538	Hyde Park, NY			11.55	11.17	11.16				11.3	11.3
12547	Milton, NY			11.55	11.17	11.16				11.3	11.3
12550	Newburgh, NY			11.87	11.58	11.51	11.79	10.42	12.09	11.5	11.5
12553	New Windsor, NY			11.87	11.58	11.51	11.79	10.42	12.09	11.5	11.5
12601	Poughkeepsie, NY			11.55	11.17	11.16				11.3	11.3
12603	Poughkeepsie, NY			11.55	11.17	11.16				11.3	11.3
12604	Poughkeepsie, NY			11.55	11.17	11.16				11.3	11.3
12928	Crown Point, NY							9.25	9.74	9.5	9.5
12997	Wilmington, NY	9.91	8.46	5.54	6.88	6.87	5.93	5.82	6.67	6.3	7.0
13057	East Syracuse, NY			10.94	10.61	11.13	9.92	9.96	11.55	10.7	10.7
13066	Fayetteville, NY			10.94	10.61	11.13	9.92	9.96	11.55	10.7	10.7
13078	Jamesville, NY			10.94	10.61	11.13	9.92	9.96	11.55	10.7	10.7
13088	Liverpool, NY			12.23	11.48	11.59				11.8	11.8
13116	Minoa, NY			10.94	10.61	11.13	9.92	9.96	11.55	10.7	10.7
13120	Nedrow, NY				10.97	11.00				11.0	11.0
13202	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13203	Syracuse, NY			11.58	11.02	11.24	9.92	9.96	11.55	10.9	10.9
13204	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13205	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13206	Syracuse, NY			11.58	11.02	11.24	9.92	9.96	11.55	10.9	10.9
13207	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13208	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13209	Syracuse, NY			12.23	11.48	11.59				11.8	11.8
13210	Syracuse, NY			11.58	11.02	11.24	9.92	9.96	11.55	10.9	10.9
13211	Syracuse, NY			11.58	11.04	11.36	9.92	9.96	11.55	10.9	10.9
13212	Syracuse, NY			12.23	11.48	11.59				11.8	11.8
13214	Syracuse, NY			10.94	10.61	11.13	9.92	9.96	11.55	10.7	10.7
13215	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13219	Syracuse, NY			12.23	11.22	11.29				11.6	11.6
13224	Syracuse, NY			11.58	11.02	11.24	9.92	9.96	11.55	10.9	10.9
13244	Syracuse, NY			11.58	11.02	11.24	9.92	9.96	11.55	10.9	10.9
13319	Chadwicks, NY			11.80	11.69	12.45				12.0	12.0
13403	Marcy, NY			11.80	11.69	12.45				12.0	12.0
13413	New Hartford, NY			11.80	11.69	12.45				12.0	12.0
13417	New York Mills, NY			11.80	11.69	12.45				12.0	12.0
13495	Yorkville, NY			11.80	11.69	12.45				12.0	12.0
13501	Utica, NY			11.80	11.69	12.45				12.0	12.0
13502	Utica, NY			11.80	11.69	12.45				12.0	12.0
13668	Norwood, NY			7.29	8.44	9.92	7.72	7.08	8.33	8.1	8.1
13676	Potsdam, NY			7.29	8.44	9.92	7.72	7.08	8.33	8.1	8.1
13696	West Stockholm, NY			7.29	8.44	9.92	7.72	7.08	8.33	8.1	8.1
13699	Potsdam, NY			7.29	8.44	9.92	7.72	7.08	8.33	8.1	8.1
13901	Binghamton, NY			11.60	11.10	11.80				11.5	11.5
13903	Binghamton, NY			11.60	11.10	11.80				11.5	11.5
13904	Binghamton, NY			11.60	11.10	11.80				11.5	11.5
13905	Binghamton, NY			11.60	11.10	11.80				11.5	11.5
14051	East Amherst, NY			12.59	12.78	12.14				12.5	12.5
14068	Getzville, NY			12.59	12.78	12.14				12.5	12.5
14072	Grand Island, NY		13.99	13.11	12.48	11.83	11.77	11.12	14.00	12.4	12.6

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
14109	Niagara University, NY		13.99	13.11	12.48	11.83	11.77	11.12	14.00	12.4	12.6
14201	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14202	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14203	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14204	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14206	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14208	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14209	Buffalo, NY			14.74	14.61	13.65	13.65	12.94	14.74	14.1	14.1
14210	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14211	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14212	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14214	Buffalo, NY			13.66	13.69	12.90	13.65	12.94	14.74	13.6	13.6
14215	Buffalo, NY			13.66	13.69	12.90	13.65	12.94	14.74	13.6	13.6
14218	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14219	Buffalo, NY			16.12	15.45	13.41	12.29	12.15	14.58	14.0	14.0
14220	Buffalo, NY			15.43	15.03	13.53	12.97	12.55	14.66	14.0	14.0
14221	Buffalo, NY			12.59	12.78	12.14				12.5	12.5
14222	Buffalo, NY			14.74	14.61	13.65	13.65	12.94	14.74	14.1	14.1
14223	Buffalo, NY			12.59	12.78	12.14				12.5	12.5
14224	Buffalo, NY			14.74	14.61	13.65	13.65	12.94	14.74	14.1	14.1
14225	Buffalo, NY			13.66	13.69	12.90	13.65	12.94	14.74	13.6	13.6
14226	Buffalo, NY			12.59	12.78	12.14				12.5	12.5
14227	Buffalo, NY			14.74	14.61	13.65	13.65	12.94	14.74	14.1	14.1
14228	Buffalo, NY			12.59	12.78	12.14				12.5	12.5
14260	Buffalo, NY			12.59	12.78	12.14				12.5	12.5
14301	Niagara Falls, NY		13.99	13.11	12.48	11.83	11.77	11.12	14.00	12.4	12.6
14303	Niagara Falls, NY		13.99	13.11	12.48	11.83	11.77	11.12	14.00	12.4	12.6
14304	Niagara Falls, NY		13.99	13.11	12.48	11.83	11.77	11.12	14.00	12.4	12.6
14305	Niagara Falls, NY		13.99	13.11	12.48	11.83	11.77	11.12	14.00	12.4	12.6
14445	East Rochester, NY								12.50	12.5	12.5
14534	Pittsford, NY								12.50	12.5	12.5
14604	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14605	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14606	Rochester, NY			11.75	11.76	11.41	10.88			11.4	11.4
14607	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14608	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14609	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14610	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14611	Rochester, NY			11.79	11.78	10.86	10.88			11.3	11.3
14613	Rochester, NY			11.79	11.78	10.86	10.88			11.3	11.3
14614	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14615	Rochester, NY			11.75	11.76	11.41	10.88			11.4	11.4
14617	Rochester, NY			11.79	11.78	10.86	10.88			11.3	11.3
14618	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14619	Rochester, NY			11.79	11.78	10.86	10.88			11.3	11.3
14620	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14621	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14622	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14623	Rochester, NY			11.75	11.76	11.41	10.88			11.4	11.4
14625	Rochester, NY			11.83	11.80	10.31			12.50	11.6	11.6
14627	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14642	Rochester, NY			11.79	11.78	10.86	10.88		12.50	11.6	11.6
14787	Westfield, NY		12.34	11.38	11.06	11.33	9.66	9.56	11.05	10.7	10.9
14801	Addison, NY			9.13	10.20	10.37	9.48	8.88	9.78	9.6	9.6
15009	Beaver, PA			15.81	16.96	15.22	15.67	15.38	18.27	16.2	16.2
15010	Beaver Falls, PA			15.81	16.96	15.22	15.67	15.38	18.27	16.2	16.2
15012	Belle Vernon, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15014	Brackenridge, PA	16.10	16.48	15.43	16.11	15.01	15.73	13.75	15.42	15.2	15.5
15015	Bradfordwoods, PA					13.63			14.44	14.0	14.0
15017	Bridgeville, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
15021	Burgettstown, PA		12.98	13.20	14.43	13.21	13.40	13.21	14.23	13.6	13.5
15022	Charleroi, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15024	Cheswick, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15025	Clairton, PA	19.99	18.38	20.92	20.85	18.15	18.61	15.99	18.90	18.9	19.0
15030	Creighton, PA	16.10	16.48	15.43	16.11	15.01	15.73	13.75	15.42	15.2	15.5
15031	Cuddy, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7
15033	Donora, PA		15.44	15.39	15.80	15.88	14.86	13.76	16.51	15.4	15.4
15034	Dravosburg, PA	19.30	17.81	17.40	18.65	16.94	17.15	16.09	17.58	17.3	17.6
15035	East MC Keesport, PA	20.97	18.75	18.68	20.07	18.61	18.50	18.23	19.30	18.9	19.1
15037	Elizabeth, PA	19.99	18.38	20.92	20.85	18.15	18.61	15.99	18.90	18.9	19.0
15044	Gibsonia, PA					13.63			14.44	14.0	14.0
15045	Glassport, PA	19.88	18.49	18.68	19.60	17.74	18.01	15.94	18.32	18.0	18.3
15046	Crescent, PA	16.66	15.50			13.63	15.71	13.26	14.67	14.3	14.9
15049	Harwick, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15051	Indianola, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15055	Lawrence, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7
15056	Leetsdale, PA	16.66	15.50			13.63	15.71	13.26	14.67	14.3	14.9
15057	MC Donald, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7
15061	Monaca, PA			15.81	16.96	15.22	15.67	15.38	18.27	16.2	16.2
15062	Monessen, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15063	Monongahela, PA		15.44	15.39	15.80	15.88	14.86	13.76	16.51	15.4	15.4
15064	Morgan, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7
15065	Natrona Heights, PA		17.45	16.09	16.11	16.09	15.50	15.02	15.95	15.8	16.0
15066	New Brighton, PA			15.81	16.96	15.22	15.67	15.38	18.27	16.2	16.2
15067	New Eagle, PA		15.44	15.39	15.80	15.88	14.86	13.76	16.51	15.4	15.4
15068	New Kensington, PA	16.10	16.48	15.43	16.11	15.01	15.73	13.75	15.42	15.2	15.5
15071	Oakdale, PA	15.73	14.54	14.09	14.04	12.97	14.47	13.13	14.44	13.9	14.2
15074	Rochester, PA			15.81	16.96	15.22	15.67	15.38	18.27	16.2	16.2
15076	Russellton, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15083	Sutersville, PA							13.52		13.5	13.5
15084	Tarentum, PA		17.45	16.09	16.11	16.09	15.50	15.02	15.95	15.8	16.0
15090	Wexford, PA					13.63			14.44	14.0	14.0
15101	Allison Park, PA					13.63			14.44	14.0	14.0
15102	Bethel Park, PA					13.51				13.5	13.5
15104	Braddock, PA	19.84	17.75	17.40	18.65	17.25	17.19	16.85	17.98	17.6	17.9
15106	Carnegie, PA	16.41	15.29	14.74	14.81	13.25	14.26	13.84	15.18	14.3	14.7
15108	Coraopolis, PA	16.66	15.50			13.63	15.71	13.26	14.67	14.3	14.9
15110	Duquesne, PA	19.88	18.49	18.68	19.60	17.74	18.01	16.75	18.32	18.2	18.4
15112	East Pittsburgh, PA	19.65	18.70	16.45	17.09	16.92	16.80	15.79	17.16	16.7	17.3
15116	Glenshaw, PA			15.63	16.58	15.33	15.20	15.46	15.78	15.7	15.7
15120	Homestead, PA	19.84	17.75	17.40	18.65	17.25	17.19	16.85	17.98	17.6	17.9
15122	West Mifflin, PA	19.30	17.81	17.40	18.65	16.94	17.15	16.09	17.58	17.3	17.6
15126	Imperial, PA	16.66	15.50			13.63	15.71	13.26	14.67	14.3	14.9
15129	South Park, PA					13.51				13.5	13.5
15131	McKeesport, PA	20.97	18.75	18.68	20.07	18.61	18.50	18.23	19.30	18.9	19.1
15132	McKeesport, PA	19.88	18.49	18.68	19.60	17.74	18.01	16.75	18.32	18.2	18.4
15133	McKeesport, PA	19.88	18.49	18.68	19.60	17.74	18.01	15.94	18.32	18.0	18.3
15135	McKeesport, PA	19.99	18.38	20.92	20.85	18.15	18.61	15.99	18.90	18.9	19.0
15136	MC Kees Rocks, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8
15137	North Versailles, PA	20.97	18.75	18.68	20.07	18.61	18.50	18.23	19.30	18.9	19.1
15139	Oakmont, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15140	Pitcairn, PA	19.65	18.70	16.45	17.09	16.92	16.80	15.79	17.16	16.7	17.3
15142	Presto, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7
15143	Sewickley, PA	16.66	15.50			13.63	15.71	13.26	14.67	14.3	14.9
15144	Springdale, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15145	Turtle Creek, PA	19.65	18.70	16.45	17.09	16.92	16.80	15.79	17.16	16.7	17.3
15147	Verona, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15148	Wilmerding, PA	19.65	18.70	16.45	17.09	16.92	16.80	15.79	17.16	16.7	17.3
15201	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15202	Pittsburgh, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
15203	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15204	Pittsburgh, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8
15205	Pittsburgh, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8
15206	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15207	Pittsburgh, PA	18.61	17.23	15.64	16.49	15.60	15.52	15.12	16.10	15.7	16.3
15208	Pittsburgh, PA	18.61	17.23	15.64	16.49	15.60	15.52	15.12	16.10	15.7	16.3
15209	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15210	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15211	Pittsburgh, PA	17.79	16.38	15.29	15.99	14.69	15.02	14.75	15.76	15.2	15.7
15212	Pittsburgh, PA	17.79	16.38	15.29	15.99	14.69	15.02	14.75	15.76	15.2	15.7
15213	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15214	Pittsburgh, PA	18.01	16.99	15.51	16.08	14.76	15.24	15.07	15.96	15.4	16.0
15215	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15216	Pittsburgh, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8
15217	Pittsburgh, PA	18.61	17.23	15.64	16.49	15.60	15.52	15.12	16.10	15.7	16.3
15218	Pittsburgh, PA	18.61	17.23	15.64	16.49	15.60	15.52	15.12	16.10	15.7	16.3
15219	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15220	Pittsburgh, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8
15221	Pittsburgh, PA	18.61	17.23	15.65	16.45	15.73	15.68	14.94	16.26	15.8	16.3
15222	Pittsburgh, PA	17.79	16.38	15.29	15.99	14.69	15.02	14.75	15.76	15.2	15.7
15223	Pittsburgh, PA			15.63	16.58	15.33	15.20	15.46	15.78	15.7	15.7
15224	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15225	Pittsburgh, PA	17.34	16.24	15.39	15.59	13.91	15.49	13.97	15.41	15.0	15.4
15226	Pittsburgh, PA	17.57	15.76	14.85	15.81	14.55	14.56	14.10	15.35	14.9	15.3
15227	Pittsburgh, PA	17.57	15.76	14.85	15.81	14.55	14.56	14.10	15.35	14.9	15.3
15229	Pittsburgh, PA	18.01	16.99	15.39	15.59	14.20	15.28	14.68	16.15	15.2	15.8
15232	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15233	Pittsburgh, PA	18.01	16.99	15.51	16.08	14.76	15.24	15.07	15.96	15.4	16.0
15234	Pittsburgh, PA					13.51				13.5	13.5
15235	Pittsburgh, PA	19.65	18.70	16.45	17.09	16.92	16.80	15.79	17.16	16.7	17.3
15236	Pittsburgh, PA	17.57	15.76	14.85	15.81	14.03	14.56	14.10	15.35	14.8	15.3
15237	Pittsburgh, PA					13.63			14.44	14.0	14.0
15239	Pittsburgh, PA	16.10	15.50	14.76		13.92	15.95	12.49	14.88	14.4	14.8
15260	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15261	Pittsburgh, PA	17.57	15.76	15.24	16.19	14.94	14.88	14.78	15.56	15.3	15.6
15275	Pittsburgh, PA	15.73	14.54	14.09	14.04	12.97	14.47	13.13	14.44	13.9	14.2
15301	Washington, PA		14.58	15.16	15.85	14.49	14.74	14.14	15.88	15.0	15.0
15321	Cecil, PA	14.80	13.59	14.09	14.04	12.31	13.23	13.00	14.22	13.5	13.7
15332	Finleyville, PA					13.51				13.5	13.5
15342	Houston, PA		14.58	15.16	15.85	14.49	14.74	14.14	15.88	15.0	15.0
15367	Venetia, PA					13.51				13.5	13.5
15412	Allenport, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15419	California, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15423	Coal Center, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15432	Dunlevy, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15434	Elco, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15438	Fayette City, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15477	Roscoe, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15483	Stockdale, PA		15.44	15.39	15.80	15.88	14.86	13.99	16.51	15.4	15.4
15601	Greensburg, PA		14.90	15.78	16.11	14.96	15.32	14.92	16.81	15.7	15.5
15901	Johnstown, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
15902	Johnstown, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
15904	Johnstown, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
15905	Johnstown, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
15906	Johnstown, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
15928	Davidsville, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
15945	Parkhill, PA		14.78	15.34	15.85	16.09	15.46	14.42	16.80	15.7	15.5
16121	Farrell, PA				15.07	14.02	13.77	13.37	14.09	14.1	14.1
16146	Sharon, PA				15.07	14.02	13.77	13.37	14.09	14.1	14.1
16148	Hermitage, PA				15.07	14.02	13.77	13.37	14.09	14.1	14.1

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
16150	Sharpsville, PA				15.07	14.02	13.77	13.37	14.09	14.1	14.1
16159	West Middlesex, PA				15.07	14.02	13.77	13.37	14.09	14.1	14.1
16501	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16502	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16503	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16504	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16507	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16508	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16509	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16510	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16511	Erie, PA			13.99	13.83	13.21	12.56	11.88	14.35	13.3	13.3
16801	State College, PA				13.72	11.78	13.56	13.33	13.39	13.2	13.2
16802	University Park, PA				13.72	11.78	13.56	13.33	13.39	13.2	13.2
16803	State College, PA				13.72	11.78	13.56	13.33	13.39	13.2	13.2
17011	Camp Hill, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17013	Carlisle, PA			13.97		14.69	15.31	15.13	14.93	14.8	14.8
17015	Carlisle, PA					14.69	15.31	15.13	14.93	15.0	15.0
17034	Highspire, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17043	Lemoyne, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17068	New Bloomfield, PA			12.34	12.57	13.22	13.09	12.23	13.12	12.8	12.8
17070	New Cumberland, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17074	Newport, PA			12.34	12.57	13.22	13.09	12.23	13.12	12.8	12.8
17090	Shermans Dale, PA			13.97		14.69	15.31	15.13	14.93	14.8	14.8
17101	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17102	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17103	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17104	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17109	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17110	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17111	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17113	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17120	Harrisburg, PA		14.39	15.69	16.50	14.74	16.18	15.66	15.51	15.7	15.5
17307	Biglerville, PA		13.12	13.02	14.06	12.85	13.56	13.68	13.56	13.5	13.4
17313	Dallastown, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17347	Mount Wolf, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17353	Orrtanna, PA		13.12	13.02	14.06	12.85	13.56	13.68	13.56	13.5	13.4
17401	York, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17402	York, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17403	York, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17404	York, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17406	York, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17407	York, PA		15.40	16.66	16.70	17.80	17.36	16.39	17.91	17.1	16.9
17520	East Petersburg, PA		15.64	17.85	17.24	16.16	17.56	16.64	18.19	17.3	17.0
17576	Smoketown, PA		15.64	17.85	17.24	16.16	17.56	16.64	18.19	17.3	17.0
17584	Willow Street, PA		15.64	17.85	17.24	16.16	17.56	16.64	18.19	17.3	17.0
17601	Lancaster, PA		15.64	17.85	17.24	16.16	17.56	16.64	18.19	17.3	17.0
17602	Lancaster, PA		15.64	17.85	17.24	16.16	17.56	16.64	18.19	17.3	17.0
17603	Lancaster, PA		15.64	17.85	17.24	16.16	17.56	16.64	18.19	17.3	17.0
18015	Bethlehem, PA		12.37	13.98	15.21	14.12	14.67	13.87	14.34	14.4	14.1
18017	Bethlehem, PA		12.37	13.98	15.21	14.12	14.67	13.87	14.34	14.4	14.1
18018	Bethlehem, PA		12.37	13.98	15.21	14.12	14.67	13.87	14.34	14.4	14.1
18020	Bethlehem, PA		12.85	13.69	15.33	14.66	14.31	13.71	14.20	14.3	14.1
18032	Catasauqua, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1
18034	Center Valley, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1
18040	Easton, PA			13.94	13.67	13.31	13.46	12.22	13.66	13.4	13.4
18042	Easton, PA			13.94	13.67	13.31	13.46	12.22	13.66	13.4	13.4
18052	Whitehall, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1
18055	Hellertown, PA		12.85	13.69	15.33	14.66	14.31	13.71	14.20	14.3	14.1
18085	Tatamy, PA			13.94	13.67	13.31	13.46	12.22	13.66	13.4	13.4
18101	Allentown, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
18102	Allentown, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1
18103	Allentown, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1
18109	Allentown, PA		11.89	14.26	15.10	13.58	15.02	14.03	14.48	14.4	14.1
18434	Jessup, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18447	Olyphant, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18452	Peckville, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18503	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18504	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18505	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18508	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18509	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18510	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18512	Scranton, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18519	Dickson City, PA		11.00	11.69	12.73	12.81	12.42	11.60	12.49	12.3	12.1
18640	Pittston, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18643	Pittston, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18644	Wyoming, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18701	Wilkes Barre, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18702	Wilkes Barre, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18704	Kingston, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18705	Wilkes Barre, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18709	Luzerne, PA		12.54	12.65	13.71	12.27	13.06	12.21	13.01	12.8	12.8
18977	Washington Crossing, PA		11.14	12.06		11.97	11.97	10.95	12.07	11.8	11.7
19003	Ardmore, PA				15.39	14.44	13.46	13.88		14.3	14.3
19004	Bala Cynwyd, PA			14.81	16.04	14.41	13.65	13.31	14.23	14.4	14.4
19006	Huntingdon Valley, PA			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
19007	Bristol, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19012	Cheltenham, PA		14.64	14.93	16.47	14.79	14.80	13.89	14.21	14.8	14.8
19013	Chester, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19014	Aston, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4
19015	Brookhaven, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4
19018	Clifton Heights, PA			14.81	16.69	14.38	14.03	12.73	14.23	14.5	14.5
19020	Bensalem, PA		12.00	14.15	14.55	14.55	13.80	12.91	13.64	13.9	13.7
19021	Croydon, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19022	Crum Lynne, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19023	Darby, PA			14.81	16.69	14.38	14.03	12.73	14.23	14.5	14.5
19026	Drexel Hill, PA			14.81	16.69	14.38	14.03	12.73	14.23	14.5	14.5
19027	Elkins Park, PA		14.64	14.93	16.47	14.79	14.80	13.89	14.21	14.8	14.8
19029	Essington, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19030	Fairless Hills, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19031	Flourtown, PA						13.25			13.3	13.3
19032	Folcroft, PA			14.97	15.61	13.70	13.89	12.55	14.24	14.2	14.2
19033	Folsom, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19035	Gladwyne, PA		13.02	13.47	15.13	14.34	13.59	12.94	12.48	13.7	13.6
19036	Glenolden, PA			14.97	15.61	13.70	13.89	12.55	14.24	14.2	14.2
19041	Haverford, PA				15.39	14.44	13.46	13.88		14.3	14.3
19043	Holmes, PA			15.14	14.53	13.02	13.76	12.38	14.25	13.8	13.8
19047	Langhorne, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19050	Lansdowne, PA			14.81	16.04	14.41	13.85	13.31	14.23	14.4	14.4
19053	Feasterville Trevose, PA			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
19054	Levittown, PA	14.56	12.63	14.18	14.70	14.26	13.94	12.77	13.66	13.9	13.8
19055	Levittown, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19056	Levittown, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19057	Levittown, PA		12.00	13.64	14.47	14.78	14.42	13.04	14.34	14.1	13.8
19060	Garnet Valley, PA		14.26	15.39	15.58	14.69	14.81	13.90	14.30	14.8	14.7
19061	Marcus Hook, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4
19063	Media, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4
19066	Merion Station, PA			14.81	16.04	14.41	13.65	13.31	14.23	14.4	14.4
19067	Morrisville, PA	14.56	13.27	14.72	14.93	13.75	13.47	12.49	12.97	13.7	13.8
19070	Morton, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
19072	Narberth, PA				15.39	14.44	13.46	13.88		14.3	14.3
19074	Norwood, PA			14.97	15.61	13.70	13.89	12.55	14.24	14.2	14.2
19076	Prospect Park, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19078	Ridley Park, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19079	Sharon Hill, PA			14.97	15.61	13.70	13.89	12.55	14.24	14.2	14.2
19081	Swarthmore, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4
19082	Upper Darby, PA			14.81	16.04	14.41	13.85	13.31	14.23	14.4	14.4
19085	Villanova, PA		13.02	13.47	14.88	14.24	13.86	12.00	12.48	13.5	13.4
19086	Wallingford, PA		13.12	15.92	15.85	15.46	15.64	14.92	16.55	15.7	15.4
19094	Woodlyn, PA		13.12	15.53	15.19	14.24	14.70	13.65	15.40	14.8	14.5
19096	Wynnewood, PA			14.81	16.04	14.41	13.65	13.31	14.23	14.4	14.4
19102	Philadelphia, PA	14.06	13.74	14.94	16.35	14.79	14.61	13.54	14.56	14.8	14.6
19103	Philadelphia, PA	14.06	13.74	14.94	16.35	14.79	14.61	13.54	14.56	14.8	14.6
19104	Philadelphia, PA			14.81	16.35	15.02	14.61	13.67	14.65	14.9	14.9
19106	Philadelphia, PA	14.06	14.19	14.93	16.71	14.88	14.98	13.55	14.47	14.9	14.7
19107	Philadelphia, PA	14.06	14.19	14.93	16.38	14.79	14.66	13.61	14.47	14.8	14.6
19111	Philadelphia, PA	14.85	14.35	15.02	15.11	14.58	13.97	13.28	13.80	14.3	14.4
19112	Philadelphia, PA	14.06	13.74	14.94	16.83	14.91	15.08	13.43	14.56	15.0	14.7
19113	Philadelphia, PA			14.97	15.61	13.70	13.89	12.55	14.24	14.2	14.2
19114	Philadelphia, PA			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
19115	Philadelphia, PA			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
19116	Philadelphia, PA			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
19118	Philadelphia, PA				15.39	14.44	13.46	13.88		14.3	14.3
19119	Philadelphia, PA				15.39	14.44	13.46	13.88		14.3	14.3
19120	Philadelphia, PA	14.85	14.35	15.21	15.35	14.70	14.36	13.53	14.24	14.6	14.6
19121	Philadelphia, PA		14.64	14.87	16.38	14.96	14.66	13.72	14.50	14.8	14.8
19122	Philadelphia, PA	14.06	14.19	15.00	16.28	14.89	14.87	13.84	14.55	14.9	14.7
19123	Philadelphia, PA	14.06	14.19	14.93	16.38	14.79	14.66	13.61	14.47	14.8	14.6
19124	Philadelphia, PA	14.85	14.35	15.21	15.35	14.70	14.36	13.53	14.24	14.6	14.6
19125	Philadelphia, PA	14.45	14.14	15.16	15.89	14.94	14.95	13.66	14.48	14.8	14.7
19126	Philadelphia, PA		14.64	14.93	16.47	14.79	14.80	13.89	14.21	14.8	14.8
19127	Philadelphia, PA				15.39	14.44	13.46	13.88		14.3	14.3
19128	Philadelphia, PA				15.39	14.44	13.46	13.88		14.3	14.3
19129	Philadelphia, PA				16.19	15.34	14.35	14.14	15.06	15.0	15.0
19130	Philadelphia, PA	14.06	14.19	14.93	16.38	14.79	14.66	13.61	14.47	14.8	14.6
19131	Philadelphia, PA			14.81	16.35	15.02	14.27	13.67	14.65	14.8	14.8
19132	Philadelphia, PA		14.64	14.93	16.28	15.15	14.87	14.06	14.63	15.0	14.9
19133	Philadelphia, PA	14.06	14.19	15.00	16.28	14.89	14.87	13.84	14.55	14.9	14.7
19134	Philadelphia, PA	14.45	14.14	15.16	15.89	14.94	14.95	13.66	14.48	14.8	14.7
19135	Philadelphia, PA	14.85	14.35	15.02	15.11	14.58	13.97	13.28	13.80	14.3	14.4
19136	Philadelphia, PA	14.85	14.35	15.02	15.11	14.58	13.97	13.28	13.80	14.3	14.4
19137	Philadelphia, PA	14.45	14.14	15.16	15.35	14.51	14.36	13.41	14.29	14.5	14.5
19138	Philadelphia, PA		14.64	14.93	15.93	14.61	13.91	13.89	14.21	14.6	14.6
19139	Philadelphia, PA			14.81	16.35	15.02	14.61	13.67	14.65	14.9	14.9
19140	Philadelphia, PA		14.64	14.93	16.28	15.15	14.87	14.06	14.63	15.0	14.9
19141	Philadelphia, PA		14.64	14.93	15.93	14.61	14.24	13.89	14.21	14.6	14.6
19142	Philadelphia, PA			14.81	16.35	15.02	14.61	13.67	14.65	14.9	14.9
19143	Philadelphia, PA			14.81	16.35	15.02	14.61	13.67	14.65	14.9	14.9
19144	Philadelphia, PA		14.64	14.93	15.93	14.61	13.91	13.89	14.21	14.6	14.6
19145	Philadelphia, PA	14.06	13.74	14.94	16.35	14.79	14.61	13.54	14.56	14.8	14.6
19146	Philadelphia, PA	14.06	13.74	14.94	16.35	14.79	14.61	13.54	14.56	14.8	14.6
19147	Philadelphia, PA	14.06	13.74	14.94	16.83	14.91	15.08	13.43	14.56	15.0	14.7
19148	Philadelphia, PA	14.06	13.74	14.94	16.83	14.91	15.08	13.43	14.56	15.0	14.7
19149	Philadelphia, PA	14.85	14.35	15.02	15.11	14.58	13.97	13.28	13.80	14.3	14.4
19150	Philadelphia, PA				15.39	14.44	13.46	13.88		14.3	14.3
19151	Philadelphia, PA			14.81	16.04	14.41	13.65	13.31	14.23	14.4	14.4
19152	Philadelphia, PA	14.85	14.35	15.02	15.11	14.58	13.97	13.28	13.80	14.3	14.4
19153	Philadelphia, PA			14.81	16.83	15.31	15.08	13.56	14.65	15.0	15.0
19154	Philadelphia, PA			14.66	14.62	14.32	13.19	12.78	12.93	13.7	13.7
19311	Avondale, PA					14.61	15.57	14.25	15.87	15.1	15.1

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
19348	Kennett Square, PA					14.61	15.57	14.25	15.87	15.1	15.1
19350	Landenberg, PA			15.32	15.82	14.78	15.19	14.40	15.14	15.1	15.1
19374	Toughkenamon, PA					14.61	15.57	14.25	15.87	15.1	15.1
19390	West Grove, PA					14.61	15.57	14.25	15.87	15.1	15.1
19401	Norristown, PA		13.02	13.47	14.88	14.24	13.86	12.00	12.48	13.5	13.4
19403	Norristown, PA		13.02	13.47	14.88	14.24	13.86	12.00	12.48	13.5	13.4
19405	Bridgeport, PA		13.02	13.47	14.88	14.24	13.86	12.00	12.48	13.5	13.4
19406	King of Prussia, PA		13.02	13.47	14.88	14.24	13.86	12.00	12.48	13.5	13.4
19422	Blue Bell, PA		13.02	13.47	14.88	14.24	13.86	12.00	12.48	13.5	13.4
19428	Conshohocken, PA		13.02	13.47	14.88	14.24	13.55	12.00	12.48	13.4	13.4
19444	Lafayette Hill, PA		13.02	13.47	14.88	14.24	13.55	12.00	12.48	13.4	13.4
19462	Plymouth Meeting, PA		13.02	13.47	14.88	14.24	13.55	12.00	12.48	13.4	13.4
19540	Mohnton, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19601	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19602	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19604	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19605	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19606	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19607	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19609	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19610	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19611	Reading, PA		13.51	16.87	16.49	16.66	16.14	15.64	16.80	16.4	16.0
19701	Bear, DE		13.96	14.20	14.54	14.03	13.26	13.21	13.77	13.8	13.9
19702	Newark, DE		13.96	14.76	15.18	14.49	14.03	13.88	14.09	14.4	14.3
19703	Claymont, DE		14.26	15.39	15.58	14.69	14.81	13.90	14.30	14.8	14.7
19709	Middletown, DE		13.55	14.20	14.54	14.03	13.26	13.21	13.77	13.8	13.8
19711	Newark, DE		14.37	15.32	15.82	14.94	14.80	14.54	14.42	15.0	14.9
19713	Newark, DE		14.37	15.32	15.82	14.94	14.80	14.54	14.42	15.0	14.9
19716	Newark, DE		14.37	15.32	15.82	14.94	14.80	14.54	14.42	15.0	14.9
19717	Newark, DE		14.37	15.32	15.82	14.94	14.80	14.54	14.42	15.0	14.9
19720	New Castle, DE		15.86	16.39	17.65	15.43	15.47	14.93	15.05	15.8	15.8
19801	Wilmington, DE		15.06	15.89	16.62	15.06	15.14	14.42	14.67	15.3	15.3
19802	Wilmington, DE		15.06	15.89	16.62	15.06	15.14	14.42	14.67	15.3	15.3
19803	Wilmington, DE		15.06	15.89	16.62	15.06	15.14	14.42	14.67	15.3	15.3
19804	Wilmington, DE		15.86	16.39	17.65	15.43	15.47	14.93	15.05	15.8	15.8
19805	Wilmington, DE		15.86	16.39	17.65	15.43	15.47	14.93	15.05	15.8	15.8
19806	Wilmington, DE		15.06	15.89	16.62	15.06	15.14	14.42	14.67	15.3	15.3
19807	Wilmington, DE		15.86	16.39	17.65	15.43	15.47	14.93	15.05	15.8	15.8
19809	Wilmington, DE		15.06	15.89	16.62	15.06	15.14	14.42	14.67	15.3	15.3
19810	Wilmington, DE		14.26	15.39	15.58	14.69	14.81	13.90	14.30	14.8	14.7
19901	Dover, DE		13.26	12.94	13.99	13.16	12.29	12.63	13.09	13.0	13.0
19902	Dover AFB, DE		13.26	12.94	13.99	13.16	12.29	12.63	13.09	13.0	13.0
19904	Dover, DE		13.26	12.94	13.99	13.16	12.29	12.63	13.09	13.0	13.0
19931	Bethel, DE		14.71	14.30	14.43	13.81	12.50	13.44	14.11	13.8	13.9
19943	Felton, DE		12.47	13.20	13.05	13.12	12.71	12.60	13.22	13.0	12.9
19962	Magnolia, DE		13.26	12.94	13.99	13.16	12.29	12.63	13.09	13.0	13.0
19973	Seaford, DE		14.71	14.30	14.43	13.81	12.50	13.44	14.11	13.8	13.9
19979	Viola, DE		12.47	13.20	13.05	13.12	12.71	12.60	13.22	13.0	12.9
20001	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20002	Washington, DC	13.90	13.91	15.42	14.77	15.00	14.13	14.45	15.30	14.8	14.6
20003	Washington, DC	13.90	13.91	15.42	14.77	15.00	14.13	14.45	15.30	14.8	14.6
20004	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20005	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20006	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20007	Washington, DC		14.13	15.06	14.73	15.00	14.13	14.45	15.30	14.8	14.7
20008	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20009	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20010	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20016	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20017	Washington, DC			16.98	16.09					16.5	16.5

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
20018	Washington, DC			16.98	16.09					16.5	16.5
20019	Washington, DC	13.90	14.04	15.70	14.79					15.2	14.6
20020	Washington, DC	13.90	14.04	14.43	13.50					14.0	14.0
20024	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20032	Washington, DC	13.90	13.91	14.64	14.11	15.00	14.13	14.45	15.30	14.6	14.4
20036	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20037	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20052	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20057	Washington, DC		14.13	15.06	14.73	15.00	14.13	14.45	15.30	14.8	14.7
20059	Washington, DC		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
20064	Washington, DC			16.98	16.09					16.5	16.5
20147	Ashburn, VA		12.75	13.83	14.11	13.54	13.08	14.07	14.57	13.9	13.7
20148	Ashburn, VA		12.75	13.83	14.11	13.54	13.08	14.07	14.57	13.9	13.7
20166	Sterling, VA		12.75	13.83	14.11	13.54	13.08	14.07	14.57	13.9	13.7
20319	Washington, DC	13.90	13.91	14.64	14.11	15.00	14.13	14.45	15.30	14.6	14.4
20374	Washington Navy Yard, D	13.90	13.91	14.64	14.11	15.00	14.13	14.45	15.30	14.6	14.4
20701	Annapolis Junction, MD				14.02	13.19	12.12	13.23		13.1	13.1
20705	Beltsville, MD								13.40	13.4	13.4
20706	Lanham, MD						11.46			11.5	11.5
20707	Laurel, MD								13.40	13.4	13.4
20708	Laurel, MD						11.46		13.40	12.4	12.4
20710	Bladensburg, MD			16.98	16.09					16.5	16.5
20711	Lothian, MD				12.76	12.60	11.92	12.89	12.86	12.6	12.6
20712	Mount Rainier, MD			16.98	16.09					16.5	16.5
20716	Bowie, MD				12.76	12.60	11.27	12.50	11.98	12.2	12.2
20720	Bowie, MD						11.46			11.5	11.5
20722	Brentwood, MD			16.98	16.09					16.5	16.5
20724	Laurel, MD				14.02	13.19	12.12	13.23		13.1	13.1
20737	Riverdale, MD			16.98	16.09					16.5	16.5
20740	College Park, MD			16.98	16.09				13.40	15.5	15.5
20742	College Park, MD			16.98	16.09					16.5	16.5
20743	Capitol Heights, MD	13.90	14.04	15.70	14.79					15.2	14.6
20745	Oxon Hill, MD	13.90	14.04	14.43	13.50					14.0	14.0
20746	Suitland, MD	13.90	14.04	14.43	13.50					14.0	14.0
20747	District Heights, MD	13.90	14.04	14.43	13.50					14.0	14.0
20748	Temple Hills, MD	13.90	14.04	14.43	13.50					14.0	14.0
20755	Fort George G Meade, MD				14.02	13.19	12.12	13.23		13.1	13.1
20762	Andrews Air Force Base, I	13.90	14.04	14.43	13.50					14.0	14.0
20769	Glenn Dale, MD						11.46			11.5	11.5
20770	Greenbelt, MD			16.98	16.09		11.46		13.40	14.5	14.5
20771	Greenbelt, MD						11.46		13.40	12.4	12.4
20772	Upper Marlboro, MD						12.56	13.29	13.74	13.2	13.2
20776	Harwood, MD				12.76	12.60	11.27	12.50	11.98	12.2	12.2
20781	Hyattsville, MD			16.98	16.09					16.5	16.5
20782	Hyattsville, MD			16.98	16.09					16.5	16.5
20783	Hyattsville, MD			16.98	16.09					16.5	16.5
20784	Hyattsville, MD			16.98	16.09					16.5	16.5
20785	Hyattsville, MD			16.98	16.09					16.5	16.5
20794	Jessup, MD				14.02	13.19	12.12	13.23		13.1	13.1
20812	Glen Echo, MD			15.08	14.49	14.21	13.55	14.04	14.80	14.4	14.4
20818	Cabin John, MD			15.08	14.49	14.21	13.55	14.04	14.80	14.4	14.4
20832	Olney, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20833	Brookeville, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20850	Rockville, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20851	Rockville, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20852	Rockville, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20853	Rockville, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20855	Derwood, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1
20866	Burtonsville, MD								13.40	13.4	13.4
20906	Silver Spring, MD			14.32	12.76	13.17	11.94	12.64	13.55	13.1	13.1

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
20912	Takoma Park, MD			16.98	16.09					16.5	16.5
21009	Abingdon, MD			15.45	13.62	13.07	12.47	12.86	13.46	13.5	13.5
21010	Gunpowder, MD			15.45	13.62	13.07	12.47	12.86	13.46	13.5	13.5
21017	Belcamp, MD			15.45	13.62	13.07	12.47	12.86	13.46	13.5	13.5
21030	Cockeysville, MD			14.99	14.85	14.48	13.55	13.67	14.91	14.4	14.4
21031	Hunt Valley, MD			14.99	14.85	14.48	13.55	13.67	14.91	14.4	14.4
21035	Davidsonville, MD				12.76	12.60	11.27	12.50	11.98	12.2	12.2
21040	Edgewood, MD			15.45	13.62	13.07	12.47	12.86	13.46	13.5	13.5
21054	Gambrills, MD				14.02	13.19	12.12	13.23		13.1	13.1
21060	Glen Burnie, MD	17.73	17.19	16.92	15.59	15.35	14.87	15.27	15.92	15.7	16.1
21061	Glen Burnie, MD	18.04	16.81	16.11	15.62	15.70	14.79	15.33	15.67	15.5	16.0
21076	Hanover, MD	18.04	16.81	16.11	14.82	14.45	13.45	14.28	15.67	14.8	15.5
21077	Harmans, MD	18.04	16.81	16.11	14.82	14.45	13.45	14.28	15.67	14.8	15.5
21085	Joppa, MD			15.45	13.62	13.07	12.47	12.86	13.46	13.5	13.5
21090	Linthicum Heights, MD	17.73	17.19	16.92	15.90	15.58	15.45	15.60	16.04	15.9	16.3
21093	Lutherville Timonium, MD			14.99	14.85	14.48	13.55	13.67	14.91	14.4	14.4
21108	Millersville, MD	18.04	16.81	16.11	15.62	15.70	14.79	15.33	15.67	15.5	16.0
21113	Odenton, MD				14.02	13.19	12.12	13.23		13.1	13.1
21122	Pasadena, MD				14.82	14.78	13.62	14.47	15.71	14.7	14.7
21131	Phoenix, MD			14.99	14.85	14.48	13.55	13.67	14.91	14.4	14.4
21140	Riva, MD				12.76	12.60	11.27	12.50	11.98	12.2	12.2
21144	Severn, MD	18.04	16.81	16.11	14.82	14.45	13.45	14.28	15.67	14.8	15.5
21152	Sparks Glencoe, MD			14.99	14.85	14.48	13.55	13.67	14.91	14.4	14.4
21153	Stevenson, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21201	Baltimore, MD	17.95	17.08	16.98	15.87	15.34	15.26	15.49	16.10	15.8	16.3
21202	Baltimore, MD	17.95	17.08	16.98	15.87	15.34	15.26	15.49	16.10	15.8	16.3
21204	Towson, MD	15.56	14.59	15.56	14.73	14.51	13.56	14.10	14.96	14.6	14.7
21205	Baltimore, MD	17.95	17.08	17.20	16.02	15.42	15.29	15.68	16.23	16.0	16.4
21206	Baltimore, MD	17.49	15.75	16.09	16.03	15.22	14.97	15.53	15.95	15.6	15.9
21207	Gwynn Oak, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21208	Pikesville, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21209	Baltimore, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21210	Baltimore, MD	17.34	15.91	16.72	15.77	15.15	15.16	15.18	15.64	15.6	15.9
21211	Baltimore, MD	17.34	15.91	16.72	15.76	15.24	15.21	15.25	15.75	15.7	15.9
21212	Baltimore, MD	17.34	15.91	16.72	15.77	15.15	15.16	15.18	15.64	15.6	15.9
21213	Baltimore, MD	17.95	17.08	17.20	16.02	15.42	15.29	15.68	16.23	16.0	16.4
21214	Baltimore, MD	18.13	16.92	16.93	16.01	15.35	14.96	15.65	16.24	15.9	16.3
21215	Baltimore, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21216	Baltimore, MD	19.11	17.23	17.02	16.15	15.47	15.76	15.49	15.99	16.0	16.5
21217	Baltimore, MD	17.34	15.91	16.72	15.76	15.24	15.21	15.25	15.75	15.7	15.9
21218	Baltimore, MD	18.13	16.92	16.72	15.76	15.30	15.07	15.39	16.04	15.7	16.2
21220	Middle River, MD	15.58	12.23	14.39	16.06	14.85	15.02	15.16	15.10	15.1	14.8
21221	Essex, MD	15.58	12.23	14.39	16.06	14.85	15.02	15.16	15.10	15.1	14.8
21222	Dundalk, MD	17.57	16.25	16.06	16.19	15.32	15.24	15.70	16.23	15.8	16.1
21223	Baltimore, MD	17.34	15.91	16.72	15.76	15.24	15.21	15.25	15.75	15.7	15.9
21224	Baltimore, MD	17.48	16.11	16.50	16.10	15.29	15.22	15.62	16.04	15.8	16.0
21225	Brooklyn, MD	18.19	17.20	17.19	16.28	15.68	15.79	15.82	16.15	16.2	16.5
21226	Curtis Bay, MD	18.39	17.78	16.92	15.59	15.39	14.78	15.43	16.24	15.7	16.3
21227	Halethorpe, MD				15.74	15.48	15.36	15.47	16.07	15.6	15.6
21228	Catonsville, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21229	Baltimore, MD			16.30	15.52	15.21	15.23	15.00	15.74	15.5	15.5
21230	Baltimore, MD	17.95	17.08	17.20	16.02	15.42	15.29	15.68	16.23	16.0	16.4
21231	Baltimore, MD	17.95	17.08	17.20	16.02	15.42	15.29	15.68	16.23	16.0	16.4
21234	Parkville, MD	15.56	14.59	16.14	14.60	14.53	13.57	14.53	15.02	14.7	14.8
21236	Nottingham, MD	15.58	12.23	14.39	16.06	14.85	15.02	15.16	15.10	15.1	14.8
21237	Rosedale, MD	17.65	15.59	14.39	16.06	15.19	14.75	15.54	16.15	15.3	15.7
21239	Baltimore, MD	18.13	16.92	16.93	16.01	15.35	14.96	15.65	16.24	15.9	16.3
21240	Baltimore, MD	18.04	16.81	16.11	15.68	15.59	15.07	15.40	15.87	15.6	16.1
21244	Windsor Mill, MD			16.30	15.29	14.94	15.10	14.53	15.41	15.3	15.3
21250	Baltimore, MD				15.74	15.48	15.36	15.47	16.07	15.6	15.6

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
21251	Baltimore, MD	18.13	16.92	16.93	16.01	15.35	14.96	15.65	16.24	15.9	16.3
21252	Baltimore, MD	15.56	14.59	15.81	14.91	14.65	14.08	14.24	15.11	14.8	14.9
21286	Towson, MD	15.56	14.59	15.56	14.73	14.51	13.56	14.10	14.96	14.6	14.7
21713	Boonsboro, MD			15.55	14.17	14.76	13.00	14.58	14.85	14.5	14.5
21733	Fairplay, MD			15.55	14.17	14.76	13.00	14.58	14.85	14.5	14.5
21740	Hagerstown, MD			15.55	14.17	14.76	13.00	14.58	14.85	14.5	14.5
21921	Elkton, MD			14.11	13.63	12.58		13.25	13.72	13.5	13.5
22003	Annandale, VA		14.48	15.25			13.22	13.68	14.43	14.1	14.2
22027	Dunn Loring, VA		14.48	15.17	14.49	14.21	13.38	13.86	14.61	14.3	14.3
22041	Falls Church, VA		13.90	14.75	14.53	14.10	13.52	14.02	14.46	14.2	14.2
22042	Falls Church, VA		14.48	15.17	14.49	14.21	13.38	13.86	14.61	14.3	14.3
22043	Falls Church, VA		14.48	15.17	14.49	14.21	13.38	13.86	14.61	14.3	14.3
22044	Falls Church, VA		14.48	15.17	14.49	14.21	13.38	13.86	14.61	14.3	14.3
22046	Falls Church, VA		14.48	15.17	14.49	14.21	13.38	13.86	14.61	14.3	14.3
22060	Fort Belvoir, VA		13.44	14.14	14.33	13.21	13.22	13.92	13.66	13.7	13.7
22067	Greenway, VA			15.08	14.49	14.21	13.55	14.04	14.80	14.4	14.4
22101	MC Lean, VA		14.48	15.17	14.49	14.21	13.55	14.04	14.80	14.4	14.4
22102	MC Lean, VA			15.08	14.49	14.21	13.55	14.04	14.80	14.4	14.4
22150	Springfield, VA		13.44	14.14	14.33	13.21	13.22	13.80	14.04	13.8	13.7
22151	Springfield, VA						13.22	13.68	14.43	13.8	13.8
22180	Vienna, VA			15.08	14.49	14.21	13.55	14.04	14.80	14.4	14.4
22182	Vienna, VA			15.08	14.49	14.21	13.55	14.04	14.80	14.4	14.4
22201	Arlington, VA		14.13	15.06	14.73	15.00	13.67	14.06	14.87	14.6	14.5
22202	Arlington, VA		13.77	14.86	14.73	15.00	14.13	14.45	15.30	14.7	14.6
22203	Arlington, VA		14.13	15.06	14.73	15.00	13.67	14.06	14.87	14.6	14.5
22204	Arlington, VA		13.90	14.75	14.53	14.10	13.52	14.02	14.46	14.2	14.2
22205	Arlington, VA		14.13	15.06	14.61	14.60	13.63	14.06	14.84	14.5	14.4
22206	Arlington, VA		13.90	14.75	14.53	14.10	13.52	14.02	14.46	14.2	14.2
22207	Arlington, VA		14.13	15.06	14.61	14.60	13.63	14.06	14.84	14.5	14.4
22209	Arlington, VA		14.13	15.06	14.73	15.00	14.13	14.45	15.30	14.8	14.7
22211	Fort Myer, VA		14.13	15.06	14.73	15.00	14.13	14.45	15.30	14.8	14.7
22213	Arlington, VA		14.48	15.17	14.49	14.21	13.38	13.86	14.61	14.3	14.3
22301	Alexandria, VA		13.61	14.50	14.53	14.10	13.67	14.18	14.48	14.2	14.2
22302	Alexandria, VA		13.90	14.75	14.53	14.10	13.52	14.02	14.46	14.2	14.2
22303	Alexandria, VA		13.61	14.50	14.53	14.10	13.67	14.18	14.48	14.2	14.2
22304	Alexandria, VA		13.90	14.75	14.53	14.10	13.52	14.02	14.46	14.2	14.2
22305	Alexandria, VA		13.90	14.75	14.53	14.10	13.67	14.18	14.48	14.3	14.2
22306	Alexandria, VA		13.44	14.14	14.33	13.21	13.22	13.92	13.66	13.7	13.7
22307	Alexandria, VA		13.61	14.50	14.53	14.10	13.67	14.18	14.48	14.2	14.2
22308	Alexandria, VA		13.44	14.14	14.33	13.21	13.22	13.92	13.66	13.7	13.7
22309	Alexandria, VA		13.44	14.14	14.33	13.21	13.22	13.92	13.66	13.7	13.7
22310	Alexandria, VA		13.96	14.70	14.33	13.21	13.22	13.80	14.04	13.9	13.9
22311	Alexandria, VA		13.90	14.75	14.53	14.10	13.52	14.02	14.46	14.2	14.2
22312	Alexandria, VA		13.96	14.70	14.33	13.21	13.22	13.80	14.04	13.9	13.9
22314	Alexandria, VA		13.61	14.50	14.53	14.10	13.67	14.18	14.48	14.2	14.2
22315	Alexandria, VA		13.44	14.14	14.33	13.21	13.22	13.80	14.04	13.8	13.7
22835	Luray, VA			13.70	13.26	13.22	12.40	12.09	13.95	13.1	13.1
23059	Glen Allen, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23060	Glen Allen, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23075	Henrico, VA		14.16	14.67	13.47	13.72	14.01	13.56	13.93	13.9	13.9
23173	University of Richmond, V	17.97	14.74	15.38	14.68	13.51	13.81			14.3	15.0
23219	Richmond, VA	17.97	14.45	15.02	14.07	13.62	13.91	13.56	13.93	14.0	14.6
23220	Richmond, VA	17.97	14.45	15.02	14.07	13.62	13.91	13.56	13.93	14.0	14.6
23221	Richmond, VA	17.97	14.45	15.02	14.07	13.62	13.91	13.56	13.93	14.0	14.6
23222	Richmond, VA		14.16	14.67	13.47	13.72	14.01	13.56	13.93	13.9	13.9
23223	Richmond, VA		14.16	14.67	13.47	13.72	14.01	13.56	13.93	13.9	13.9
23224	Richmond, VA	17.97	14.45	15.14	13.97	13.57	13.81	13.37	13.95	14.0	14.5
23225	Richmond, VA	17.97	14.74	15.38	14.68	13.51	13.81			14.3	15.0
23226	Richmond, VA	17.97	14.74	15.38	14.68	13.51	13.81			14.3	15.0
23227	Richmond, VA		14.16	14.67	13.47	13.72	14.01	13.56	13.93	13.9	13.9

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
23228	Henrico, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23229	Henrico, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23230	Richmond, VA	17.97	14.74	15.38	14.68	13.51	13.81			14.3	15.0
23231	Henrico, VA		14.16	14.67	13.47	13.72	14.01	13.56	13.93	13.9	13.9
23233	Henrico, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23234	Richmond, VA	17.97	14.74	15.38	14.22	13.49	13.72	13.19	13.98	14.0	14.6
23235	Richmond, VA	17.97	14.74	15.38	14.68	13.51	13.81			14.3	15.0
23237	Richmond, VA			15.39	13.76	13.47	13.62	13.19	13.98	13.9	13.9
23238	Henrico, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23250	Richmond, VA		14.16	14.67	13.47	13.72	14.01	13.56	13.93	13.9	13.9
23294	Henrico, VA		13.44	14.52	12.96	13.07	12.80	12.48	13.70	13.3	13.3
23298	Richmond, VA	17.97	14.45	15.02	14.07	13.62	13.91	13.56	13.93	14.0	14.6
23320	Chesapeake, VA	15.79	13.09	13.72	13.45	11.88	12.30			12.8	13.4
23323	Chesapeake, VA	15.79	13.09	13.72	13.45	11.88	12.30			12.8	13.4
23324	Chesapeake, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23325	Chesapeake, VA	16.23	13.45	13.57	13.26	12.32	12.61	12.57	13.05	12.9	13.4
23455	Virginia Beach, VA		13.69	13.19	12.74	12.44	12.75	12.41	12.57	12.7	12.8
23462	Virginia Beach, VA		13.69	13.19	12.74	12.44	12.75	12.41	12.57	12.7	12.8
23463	Virginia Beach, VA	15.79	13.39	13.46	13.09	12.16	12.52	12.41	12.57	12.7	13.2
23464	Virginia Beach, VA		13.69	13.19	12.74	12.44	12.75	12.41	12.57	12.7	12.8
23502	Norfolk, VA	15.79	13.39	13.46	13.09	12.16	12.52	12.41	12.57	12.7	13.2
23504	Norfolk, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23505	Norfolk, VA	16.67	13.57	13.80	13.58	12.64	12.78	12.73	13.53	13.2	13.7
23507	Norfolk, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23508	Norfolk, VA	16.67	13.57	13.80	13.58	12.64	12.78	12.73	13.53	13.2	13.7
23509	Norfolk, VA	16.23	13.45	13.57	13.26	12.32	12.61	12.57	13.05	12.9	13.4
23510	Norfolk, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23511	Norfolk, VA	16.67	13.57	13.80	13.58	12.64	12.78	12.73	13.53	13.2	13.7
23513	Norfolk, VA	16.67	13.63	13.50	13.16	12.54	12.76	12.57	13.05	12.9	13.5
23517	Norfolk, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23518	Norfolk, VA		13.69	13.19	12.74	12.44	12.75	12.41	12.57	12.7	12.8
23521	Norfolk, VA		13.69	13.19	12.74	12.44	12.75	12.41	12.57	12.7	12.8
23523	Norfolk, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23529	Norfolk, VA	16.67	13.57	13.80	13.58	12.64	12.78	12.73	13.53	13.2	13.7
23601	Newport News, VA	15.88	12.95	13.35	12.78	11.78	12.12	12.18	12.46	12.4	12.9
23602	Newport News, VA		12.84	13.17	12.00	11.90	11.81			12.2	12.3
23605	Newport News, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23606	Newport News, VA		12.84	13.17	12.00	11.90	11.81			12.2	12.3
23607	Newport News, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23608	Newport News, VA		12.84	13.17	12.00	11.90	11.81			12.2	12.3
23661	Hampton, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23665	Hampton, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23666	Hampton, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23668	Hampton, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23669	Hampton, VA	15.88	13.07	13.54	13.57	11.65	12.42	12.18	12.46	12.6	13.1
23692	Yorktown, VA		12.84	13.17	12.00	11.90	11.81			12.2	12.3
23693	Yorktown, VA		12.84	13.17	12.00	11.90	11.81			12.2	12.3
23701	Portsmouth, VA	16.67	13.57	13.80	13.58	12.64	12.78	12.73	13.53	13.2	13.7
23702	Portsmouth, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23703	Portsmouth, VA	16.67	13.57	13.80	13.58	12.64	12.78	12.73	13.53	13.2	13.7
23704	Portsmouth, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23707	Portsmouth, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23708	Portsmouth, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23709	Portsmouth, VA	16.23	13.33	13.76	13.51	12.26	12.54	12.73	13.53	13.1	13.5
23860	Hopewell, VA		14.17	13.82	13.56	12.53	12.37	12.24	12.86	12.9	13.1
24011	Roanoke, VA		14.87	16.06	14.79	14.37	13.50	13.54	15.13	14.6	14.6
24012	Roanoke, VA		14.87	16.06	14.79	14.37	13.50	13.54	15.13	14.6	14.6
24013	Roanoke, VA		14.87	16.06	14.79	14.37	13.50	13.54	15.13	14.6	14.6
24014	Roanoke, VA		14.87	16.06	14.79	14.37	13.50	13.54	15.13	14.6	14.6
24015	Roanoke, VA		14.34	15.91	14.95	14.73	13.64	13.91	15.57	14.8	14.7

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
24016	Roanoke, VA		14.87	16.06	14.79	14.37	13.50	13.54	15.13	14.6	14.6
24017	Roanoke, VA		14.34	15.91	14.95	14.73	13.64	13.91	15.57	14.8	14.7
24018	Roanoke, VA		14.34	15.91	14.95	14.73	13.64	13.91	15.57	14.8	14.7
24019	Roanoke, VA		14.87	16.06	14.79	14.37	13.50	13.54	15.13	14.6	14.6
24153	Salem, VA		13.82	15.77	15.10	15.09	13.79	14.28	16.00	15.0	14.8
24201	Bristol, VA		16.32	16.58	15.15	14.09	13.82	13.85	14.34	14.6	14.9
24202	Bristol, VA		16.32	16.58	15.15	14.09	13.82	13.85	14.34	14.6	14.9
24366	Rocky Gap, VA			14.52	13.41	12.36	11.81	12.08		12.8	12.8
24501	Lynchburg, VA				14.43	13.79		12.13	13.40	13.4	13.4
24502	Lynchburg, VA				14.43	13.79		12.13	13.40	13.4	13.4
24504	Lynchburg, VA				14.43	13.79				14.1	14.1
24551	Forest, VA							12.13	13.40	12.8	12.8
24605	Bluefield, VA			14.52	13.41	12.36	11.81	12.08		12.8	12.8
24613	Falls Mills, VA			14.52	13.41	12.36	11.81	12.08		12.8	12.8
24701	Bluefield, WV			14.52	13.41	12.36	11.81	12.08		12.8	12.8
24910	Alderson, WV		11.67	10.47	10.59	10.16	9.51	9.79		10.1	10.4
24943	Grassy Meadows, WV		11.67	10.47	10.59	10.16	9.51	9.79		10.1	10.4
25064	Dunbar, WV	15.75	19.23	17.97	17.93	17.06	16.17	15.96	17.79	17.1	17.2
25301	Charleston, WV	15.75	18.52	17.97	17.21	16.22	15.39	15.15	17.07	16.5	16.7
25302	Charleston, WV	15.75	18.52	17.97	17.21	16.22	15.39	15.15	17.07	16.5	16.7
25303	Charleston, WV	15.75	18.52	17.97	17.21	16.22	15.39	15.15	17.07	16.5	16.7
25304	Charleston, WV		17.81		16.49	15.39	14.61	14.33	16.34	15.4	15.8
25309	Charleston, WV	15.75	19.23	17.97	17.93	17.06	16.17	15.96	17.79	17.1	17.2
25311	Charleston, WV		17.81		16.49	15.39	14.61	14.33	16.34	15.4	15.8
25312	Charleston, WV	15.75	19.23	17.97	17.93	17.06	16.17	14.28	16.16	16.6	16.8
25314	Charleston, WV	15.75	18.52	17.97	17.21	16.22	15.39	15.15	17.07	16.5	16.7
25320	Charleston, WV							12.60	14.53	13.6	13.6
25401	Martinsburg, WV		16.08	15.99	15.89	16.84	16.21	15.38	16.97	16.2	16.2
25403	Martinsburg, WV		16.08	15.99	15.89	16.84	16.21	15.38	16.97	16.2	16.2
25404	Martinsburg, WV		16.08	15.99	15.89	16.84	16.21	15.38	16.97	16.2	16.2
25405	Martinsburg, WV		16.08	15.99	15.89	16.84	16.21	15.38	16.97	16.2	16.2
25701	Huntington, WV		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
25702	Huntington, WV		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
25703	Huntington, WV		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
25704	Huntington, WV		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
25705	Huntington, WV		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
25755	Huntington, WV		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
25801	Beckley, WV		14.36	13.73	13.98	12.90	12.35	12.45	13.92	13.2	13.4
25827	Crab Orchard, WV		14.36	13.73	13.98	12.90	12.35	12.45	13.92	13.2	13.4
25880	Mount Hope, WV		14.36	13.73	13.98	12.90	12.35	12.45	13.92	13.2	13.4
26003	Wheeling, WV	15.78	15.96	15.35	15.55	15.02	15.05	14.14	15.42	15.1	15.3
26031	Benwood, WV	15.78	15.96	15.35	15.55	15.02	15.05	14.14		15.0	15.3
26035	Colliers, WV	18.20	18.01	17.42	17.65	16.83	16.96	16.04	17.09	17.0	17.3
26037	Follansbee, WV	18.20	18.01	17.42	17.65	16.83	16.96	16.04	17.09	17.0	17.3
26038	Glen Dale, WV	17.72	17.06	16.41	16.05	15.62	15.40	14.41	16.21	15.7	16.1
26040	McMechen, WV	16.75	16.51	15.88	15.80	15.32	15.22	14.28	16.21	15.5	15.7
26041	Moundsville, WV	17.72	17.06	16.41	16.05	15.62	15.40	14.41	16.21	15.7	16.1
26062	Weirton, WV	18.59	17.93	17.41	17.35	16.75	16.85	16.01	16.85	16.9	17.2
26070	Wellsburg, WV	17.75	18.26	16.97	18.08	16.85	16.85	16.38	17.74	17.1	17.4
26101	Parkersburg, WV	17.45	17.71	17.78	17.40	15.76	14.93	14.94	16.40	16.2	16.5
26104	Parkersburg, WV	17.45	17.71	17.78	17.40	15.76	14.93	14.94	16.40	16.2	16.5
26105	Vienna, WV	17.45	17.71	17.78	17.40	15.76	14.93	14.94	16.40	16.2	16.5
26301	Clarksburg, WV		15.05	14.87	14.45	14.04	13.40	13.30	14.87	14.2	14.3
26404	Meadowbrook, WV		15.05	14.87	14.45	14.04	13.40	13.30	14.87	14.2	14.3
26408	Mount Clare, WV		15.05	14.87	14.45	14.04	13.40	13.30	14.87	14.2	14.3
26501	Morgantown, WV	13.73	14.90	15.03	14.94	15.15	14.56	13.85	15.02	14.8	14.6
26505	Morgantown, WV	13.73	14.90	15.03	14.94	15.15	14.56	13.85	15.02	14.8	14.6
26506	Morgantown, WV	13.73	14.90	15.03	14.94	15.15	14.56	13.85	15.02	14.8	14.6
26508	Morgantown, WV	13.73	14.90	15.03	14.94	15.15	14.56	13.85	15.02	14.8	14.6
26554	Fairmont, WV			15.97	15.92	15.35	14.99	14.10	15.90	15.4	15.4

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
26560	Baxter, WV			15.97	15.92	15.35	14.99	14.10	15.90	15.4	15.4
26588	Rivesville, WV			15.97	15.92	15.35	14.99	14.10	15.90	15.4	15.4
27045	Rural Hall, NC		15.78	15.95	14.30	14.30	13.43	14.05		14.4	14.6
27101	Winston Salem, NC		16.29	16.75	15.66	14.27	13.88	14.76	14.41	15.0	15.1
27105	Winston Salem, NC		16.04	16.35	14.98	14.29	13.65	14.41	14.41	14.7	14.9
27106	Winston Salem, NC		16.04	16.35	14.98	14.29	13.65	14.41	14.41	14.7	14.9
27107	Winston Salem, NC		16.29	16.75	15.66	14.27	13.88	14.76	14.41	15.0	15.1
27110	Winston Salem, NC		16.29	16.75	15.66	14.27	13.88	14.76	14.41	15.0	15.1
27127	Winston Salem, NC		16.29	16.75	15.66	14.27	13.88	14.76	14.41	15.0	15.1
27215	Burlington, NC		16.40	15.59	13.98	13.49	13.74	13.86	14.62	14.2	14.5
27217	Burlington, NC		16.40	15.59	13.98	13.49	13.74	13.86	14.62	14.2	14.5
27229	Candor, NC			14.14	12.69	12.25	11.40	12.58	12.62	12.6	12.6
27253	Graham, NC		16.40	15.59	13.98	13.49	13.74	13.86	14.62	14.2	14.5
27260	High Point, NC	18.20	16.75	16.14						16.1	17.0
27262	High Point, NC	18.20	16.75	16.14						16.1	17.0
27263	High Point, NC	18.20	16.75	16.14						16.1	17.0
27265	High Point, NC	18.20	16.75	16.14						16.1	17.0
27292	Lexington, NC		17.34	18.04	16.45	15.74	15.16	15.17	15.53	16.0	16.2
27295	Lexington, NC		17.34	18.04	16.45	15.74	15.16	15.17	15.53	16.0	16.2
27299	Linwood, NC								15.34	15.3	15.3
27312	Pittsboro, NC		14.02	13.33	12.91	12.22	11.52	12.24	11.87	12.4	12.6
27379	Yanceyville, NC		14.96	14.92	13.60	13.33	12.86	13.05	13.66	13.6	13.8
27401	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27403	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27405	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27406	Greensboro, NC	18.63	16.98	16.88	14.94					15.9	16.9
27407	Greensboro, NC	18.63	16.98	16.88	14.94					15.9	16.9
27408	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27410	Greensboro, NC					13.76	13.34	13.96	14.01	13.8	13.8
27411	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27413	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27455	Greensboro, NC	18.63	16.98	16.88	14.94	13.76	13.34	13.96	14.01	14.5	15.3
27510	Carrboro, NC		14.91	14.41	13.63	12.80	12.85	13.45	13.36	13.4	13.6
27514	Chapel Hill, NC		14.91	14.41	13.63	12.80	12.85	13.45	13.36	13.4	13.6
27516	Chapel Hill, NC		14.91	14.41	13.63	12.80	12.85	13.45	13.36	13.4	13.6
27517	Chapel Hill, NC		14.91	14.41	13.63	12.80	12.85	13.45	13.36	13.4	13.6
27530	Goldsboro, NC		15.42	15.83	14.65	13.32	12.97	12.93	13.54	13.9	14.1
27531	Goldsboro, NC		15.42	15.83	14.65	13.32	12.97	12.93	13.54	13.9	14.1
27534	Goldsboro, NC		15.42	15.83	14.65	13.32	12.97	12.93	13.54	13.9	14.1
27601	Raleigh, NC		15.61	14.47	14.14	13.57	12.76			13.7	14.1
27604	Raleigh, NC		15.68	15.20	14.18	13.59	13.23	13.24	13.62	13.8	14.1
27605	Raleigh, NC		15.61	14.47	14.14	13.57	12.76			13.7	14.1
27607	Raleigh, NC		15.61	14.47	14.14	13.57	12.76			13.7	14.1
27608	Raleigh, NC		15.68	15.20	14.18	13.59	13.23	13.24	13.62	13.8	14.1
27609	Raleigh, NC		15.68	15.20	14.18	13.59	13.23	13.24	13.62	13.8	14.1
27610	Raleigh, NC		15.61	14.47	14.14	13.57	12.76			13.7	14.1
27614	Raleigh, NC		15.75	15.93	14.21	13.60	13.69	13.24	13.62	14.0	14.3
27615	Raleigh, NC		15.75	15.93	14.21	13.60	13.69	13.24	13.62	14.0	14.3
27616	Raleigh, NC		15.75	15.93	14.21	13.60	13.69	13.24	13.62	14.0	14.3
27701	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27703	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27704	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27705	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27707	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27709	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27713	Durham, NC	16.84	15.65	15.82	14.57	13.63	13.60	13.78	13.60	14.2	14.7
27801	Rocky Mount, NC			14.77		13.41		11.60	12.74	13.1	13.1
27803	Rocky Mount, NC			14.77		13.41				14.1	14.1
27804	Rocky Mount, NC			14.77		13.41				14.1	14.1
27834	Greenville, NC			13.97	12.32	12.25	12.11	11.77	11.82	12.4	12.4

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
27846	Jamesville, NC							11.55	11.16	11.4	11.4
27858	Greenville, NC			13.97	12.32	12.25	12.11	11.77	11.82	12.4	12.4
27909	Elizabeth City, NC			12.38	12.27	11.33				12.0	12.0
28023	China Grove, NC	16.37	16.00	16.61	14.41	14.40	14.58	14.64		14.9	15.3
28032	Cramerton, NC		15.83	16.07	13.91	14.02	13.87	14.19	14.74	14.5	14.7
28034	Dallas, NC		15.83	16.07	13.91	14.02	13.87	14.19	14.74	14.5	14.7
28052	Gastonia, NC		15.83	16.07	13.91	14.02	13.87	14.19	14.74	14.5	14.7
28054	Gastonia, NC		15.83	16.07	13.91	14.02	13.87	14.19	14.74	14.5	14.7
28056	Gastonia, NC		15.83	16.07	13.91	14.02	13.87	14.19	14.74	14.5	14.7
28071	Gold Hill, NC								14.21	14.2	14.2
28081	Kannapolis, NC	16.37	16.00	16.61	14.41	14.40	14.58	14.64		14.9	15.3
28083	Kannapolis, NC	16.37	16.00	16.61	14.41	14.40	14.58	14.64		14.9	15.3
28088	Landis, NC	16.37	16.00	16.61	14.41	14.40	14.58	14.64		14.9	15.3
28098	Lowell, NC		15.83	16.07	13.91	14.02	13.87	14.19	14.74	14.5	14.7
28134	Pineville, NC		16.41		14.57	14.14	13.97	14.41	15.75	14.6	14.9
28138	Rockwell, NC								14.21	14.2	14.2
28146	Salisbury, NC								14.21	14.2	14.2
28168	Vale, NC				13.32					13.3	13.3
28202	Charlotte, NC	17.82	17.58	16.78	14.96	14.23	14.12	14.92	15.66	15.1	15.8
28203	Charlotte, NC	17.82	16.99	16.78	14.96	14.23	14.12	14.92	15.66	15.1	15.7
28204	Charlotte, NC	17.82	16.99	16.78	14.96	14.23	14.12	14.92	15.66	15.1	15.7
28205	Charlotte, NC			16.36	14.78	13.89	13.75	14.83	15.41	14.8	14.8
28206	Charlotte, NC	17.82	17.58	16.78	15.16	14.28	14.19	15.17	15.61	15.2	15.8
28207	Charlotte, NC	17.82	16.99	16.78	14.96	14.23	14.12	14.92	15.66	15.1	15.7
28208	Charlotte, NC	17.82	17.58	17.20	15.05	14.41	14.30	14.96	15.78	15.3	15.9
28209	Charlotte, NC	17.82	16.99	17.20	15.05	14.41	14.30	14.96	15.78	15.3	15.8
28210	Charlotte, NC		16.41		14.57	14.14	13.97	14.41	15.75	14.6	14.9
28211	Charlotte, NC		16.41	16.36	14.67	14.02	13.86	14.62	15.58	14.9	15.1
28212	Charlotte, NC			16.36	14.78	13.89	13.75	14.83	15.41	14.8	14.8
28213	Charlotte, NC			16.36	14.78	13.89	13.75	14.83	15.41	14.8	14.8
28215	Charlotte, NC			16.36	14.78	13.89	13.75	14.83	15.41	14.8	14.8
28216	Charlotte, NC	17.82	17.58	17.20	15.54	14.67	14.63	15.51	15.81	15.6	16.1
28217	Charlotte, NC	17.82	16.99	17.20	15.05	14.41	14.30	14.96	15.78	15.3	15.8
28226	Charlotte, NC		16.41		14.57	14.14	13.97	14.41	15.75	14.6	14.9
28270	Charlotte, NC		16.41								16.4
28273	Charlotte, NC				14.57	14.14	13.97	14.41	15.75	14.6	14.6
28277	Charlotte, NC		16.41								16.4
28301	Fayetteville, NC		16.13	15.84	14.34	14.09	13.35	14.04	13.86	14.3	14.5
28303	Fayetteville, NC		16.13	15.84	14.34	14.09	13.35	14.04	13.86	14.3	14.5
28304	Fayetteville, NC		16.13	15.84	14.34	14.09	13.35	14.04	13.86	14.3	14.5
28305	Fayetteville, NC		16.13	15.84	14.34	14.09	13.35	14.04	13.86	14.3	14.5
28306	Fayetteville, NC		16.13	15.84	14.34	14.09	13.35	14.04	13.86	14.3	14.5
28314	Fayetteville, NC		16.13	15.84	14.34	14.09	13.35	14.04	13.86	14.3	14.5
28333	Dudley, NC		15.42	15.83	14.65	13.32	12.97	12.93	13.54	13.9	14.1
28349	Kenansville, NC		12.43	13.14	12.37	12.35	10.87	12.08	11.51	12.1	12.1
28358	Lumberton, NC				13.19	12.50	12.57	12.87	12.94	12.8	12.8
28360	Lumberton, NC				13.19	12.50	12.57	12.87	12.94	12.8	12.8
28401	Wilmington, NC		12.83	12.40	11.36	10.42				11.4	11.8
28403	Wilmington, NC		12.83	12.40	11.36	10.42				11.4	11.8
28405	Wilmington, NC		12.83	12.40	11.36	10.42				11.4	11.8
28409	Wilmington, NC		12.83	12.40	11.36	10.42				11.4	11.8
28411	Wilmington, NC						9.23	10.46	10.34	10.0	10.0
28412	Wilmington, NC		12.83	12.40	11.36	10.42				11.4	11.8
28429	Castle Hayne, NC						9.23	10.46	10.34	10.0	10.0
28501	Kinston, NC		12.22	12.74	11.95	11.50	10.92	11.17	11.82	11.7	11.8
28504	Kinston, NC		12.22	12.74	11.95	11.50	10.92	11.17	11.82	11.7	11.8
28540	Jacksonville, NC		12.70	12.28	11.45	11.02	10.75	11.70	11.34	11.4	11.6
28543	Tarawa Terrace, NC		12.70	12.28	11.45	11.02	10.75	11.70	11.34	11.4	11.6
28546	Jacksonville, NC		12.70	12.28	11.45	11.02	10.75	11.70	11.34	11.4	11.6
28590	Winterville, NC			13.97	12.32	12.25	12.11	11.77	11.82	12.4	12.4

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
28601	Hickory, NC	16.97	17.43	17.93	15.98	15.35	15.04	15.01	15.56	15.8	16.2
28602	Hickory, NC	16.97	17.43	17.93	15.98	15.35	15.04	15.01	15.56	15.8	16.2
28607	Boone, NC					11.74	11.22	11.71	13.26	12.0	12.0
28608	Boone, NC					11.74	11.22	11.71	13.26	12.0	12.0
28637	Hildebran, NC	16.97	17.43	17.93	15.98	15.35	15.04	15.01	15.56	15.8	16.2
28713	Bryson City, NC	13.59	14.50	14.07	13.81	12.36	12.52	12.19	13.34	13.0	13.3
28719	Cherokee, NC				14.11	13.12	11.70	11.16	12.86	12.6	12.6
28745	Lake Junaluska, NC		15.77	15.51	14.85	13.43	12.64	12.54	13.67	13.8	14.1
28752	Marion, NC		16.32	17.23	14.95	14.64	12.98	13.96	15.23	14.8	15.0
28777	Spruce Pine, NC	15.60	15.72	16.56	14.13	13.92	11.98	12.38	13.32	13.7	14.2
28786	Waynesville, NC		15.77	15.51	14.85	13.43	12.64	12.54	13.67	13.8	14.1
28789	Whittier, NC				14.11	13.12	11.70	11.16	12.86	12.6	12.6
28801	Asheville, NC		15.45	15.32	13.61	13.71	12.56	12.19	13.04	13.4	13.7
28804	Asheville, NC		15.45	15.32	13.61	13.71	12.56	12.19	13.04	13.4	13.7
28806	Asheville, NC		15.45	15.32	13.61	13.71	12.56	12.19	13.04	13.4	13.7
29033	Cayce, SC		15.95	16.07	14.29	13.40	13.02	14.52	14.80	14.4	14.6
29053	Gaston, SC	14.00	14.57	14.57						14.6	14.4
29063	Irmo, SC		16.39	16.40	14.08	13.38	12.87	14.68	15.09	14.4	14.7
29115	Orangeburg, SC					11.81	11.52			11.7	11.7
29117	Orangeburg, SC					11.81	11.52			11.7	11.7
29118	Orangeburg, SC					11.81	11.52			11.7	11.7
29160	Swansea, SC	14.00	14.57	14.57						14.6	14.4
29169	West Columbia, SC		15.95	16.07	14.29	13.40	13.02	14.52	14.80	14.4	14.6
29201	Columbia, SC		15.95	16.07	14.29	13.40	13.02	14.52	14.80	14.4	14.6
29203	Columbia, SC	17.50	15.68	15.77	13.73	13.13	12.66	13.92	14.45	13.9	14.6
29204	Columbia, SC	17.50	15.68	15.77	13.73	13.13	12.66	13.92	14.45	13.9	14.6
29205	Columbia, SC		15.95	16.07	14.29	13.40	13.02	14.52	14.80	14.4	14.6
29206	Columbia, SC	17.50	15.68	15.77	13.73	13.13	12.66	13.92	14.45	13.9	14.6
29207	Columbia, SC	17.50	15.68	15.77	13.73	13.13	12.66	13.92	14.45	13.9	14.6
29208	Columbia, SC		15.95	16.07	14.29	13.40	13.02	14.52	14.80	14.4	14.6
29210	Columbia, SC		16.39	16.40	14.08	13.38	12.87	14.68	15.09	14.4	14.7
29212	Columbia, SC		16.39	16.40	14.08	13.38	12.87	14.68	15.09	14.4	14.7
29223	Columbia, SC	17.50	15.41	15.47	13.17	12.86	12.31	13.31	14.09	13.5	14.3
29229	Columbia, SC	17.50	15.41	15.47	13.17	12.86	12.31	13.31	14.09	13.5	14.3
29301	Spartanburg, SC		16.01	15.81	14.28	13.24	13.56	13.97	14.58	14.2	14.5
29303	Spartanburg, SC		16.01	15.81	14.28	13.24	13.56	13.97	14.58	14.2	14.5
29306	Spartanburg, SC		16.01	15.81	14.28	13.24	13.56	13.97	14.58	14.2	14.5
29369	Moore, SC		16.01	15.81	14.28	13.24	13.56	13.97	14.58	14.2	14.5
29401	Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29403	Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29404	Charleston AFB, SC			13.46	12.00	11.62	10.92	12.24	13.16	12.2	12.2
29405	North Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29406	Charleston, SC			13.46	12.00	11.62	10.92	12.24	13.16	12.2	12.2
29407	Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29410	Hanahan, SC			13.46	12.00	11.62	10.92	12.24	13.16	12.2	12.2
29412	Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29420	North Charleston, SC			13.46	12.00	11.62	10.92	12.24	13.16	12.2	12.2
29424	Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29425	Charleston, SC		13.03	13.36	11.48	10.91	10.67	12.03	12.34	11.8	12.0
29429	Awendaw, SC	12.91	11.61	12.21						12.2	12.2
29440	Georgetown, SC		13.88	15.36	12.33	12.54	12.26	12.46	13.68	13.1	13.2
29445	Goose Creek, SC			13.46	12.00	11.62	10.92	12.24	13.16	12.2	12.2
29456	Ladson, SC			13.46	12.00	11.62	10.92	12.24	13.16	12.2	12.2
29461	Moncks Corner, SC						10.22			10.2	10.2
29501	Florence, SC		14.37	14.40	13.11	12.23	12.05	12.59	13.00	12.9	13.1
29577	Myrtle Beach, SC				11.57	11.27	10.82	12.18	12.85	11.7	11.7
29579	Myrtle Beach, SC				11.57	11.27	10.82	12.18	12.85	11.7	11.7
29601	Greenville, SC					16.07	15.05	16.37	15.82	15.8	15.8
29605	Greenville, SC					16.07	15.05	16.37	15.82	15.8	15.8
29607	Greenville, SC			16.43	15.22	15.11	14.57	15.47	15.39	15.4	15.4

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
29609	Greenville, SC			16.43	15.22	15.11	14.57	15.47	15.39	15.4	15.4
29611	Greenville, SC					16.07	15.05	16.37	15.82	15.8	15.8
29615	Greenville, SC			16.43	15.22	14.15	14.09	14.57	14.95	14.9	14.9
29617	Greenville, SC					16.07	15.05	16.37	15.82	15.8	15.8
29646	Greenwood, SC		15.47	15.49	13.62	13.01	12.64	13.39	14.08	13.7	14.0
29649	Greenwood, SC		15.47	15.49	13.62	13.01	12.64	13.39	14.08	13.7	14.0
29650	Greer, SC			16.43	15.22	14.15	14.09	14.57	14.95	14.9	14.9
29658	Long Creek, SC		12.79	12.88	11.18	10.64	9.75	10.42	11.54	11.1	11.3
29687	Taylors, SC			16.43	15.22	14.15	14.09	14.57	14.95	14.9	14.9
29726	MC Connells, SC		14.72	14.67						14.7	14.7
29741	Ruby, SC			13.54	12.33	12.21	11.79	12.92	12.51	12.5	12.5
29745	York, SC		14.72	14.67						14.7	14.7
29831	Jackson, SC		13.71						13.50	13.5	13.6
29841	North Augusta, SC		19.31	17.10	14.94		14.88	15.50	15.89	15.7	16.3
29847	Trenton, SC			14.76	12.59	12.36	12.17	13.08	13.60	13.1	13.1
29902	Beaufort, SC			12.52	11.52	10.20	10.21	11.68	12.52	11.4	11.4
29906	Beaufort, SC			12.52	11.52	10.20	10.21	11.68	12.52	11.4	11.4
29907	Ladys Island, SC			12.52	11.52	10.20	10.21	11.68	12.52	11.4	11.4
29935	Port Royal, SC			12.52	11.52	10.20	10.21	11.68	12.52	11.4	11.4
30030	Decatur, GA		20.76	17.43	16.81	15.37	14.97	16.12	15.45	16.0	16.7
30032	Decatur, GA		20.76	17.43	16.81	15.37	14.97	16.12	15.45	16.0	16.7
30034	Decatur, GA		20.76	17.43	16.81	15.37	14.97	16.12	15.45	16.0	16.7
30043	Lawrenceville, GA			19.37		15.26	16.19	16.09	16.13	16.6	16.6
30044	Lawrenceville, GA			19.37		15.26	16.19	16.09	16.13	16.6	16.6
30046	Lawrenceville, GA			19.37		15.26	16.19	16.09	16.13	16.6	16.6
30064	Marietta, GA			19.08	17.22	15.11	15.61	15.48	15.93	16.4	16.4
30071	Norcross, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30084	Tucker, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30092	Norcross, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30096	Duluth, GA			19.37		15.26	16.19	16.09	16.13	16.6	16.6
30101	Acworth, GA			19.08	17.22	15.11	16.01	15.81	16.33	16.6	16.6
30102	Acworth, GA			19.08	17.22	15.11	16.01	15.81	16.33	16.6	16.6
30106	Austell, GA						15.21	15.16	15.54	15.3	15.3
30127	Powder Springs, GA						15.21	15.16	15.54	15.3	15.3
30144	Kennesaw, GA			19.08	17.22	15.11	16.01	15.81	16.33	16.6	16.6
30152	Kennesaw, GA			19.08	17.22	15.11	16.01	15.81	16.33	16.6	16.6
30153	Rockmart, GA		18.50	16.92	14.87	13.71	13.76	13.44	14.63	14.6	15.1
30165	Rome, GA		21.27	17.87	16.23	14.55	16.23	15.62	16.63	16.2	16.9
30260	Morrow, GA		21.04	19.38	17.06	15.33	16.02	16.83	16.65	16.9	17.5
30274	Riverdale, GA		19.94	19.43	16.51	15.33	16.02	16.83	16.65	16.8	17.2
30288	Conley, GA		20.90	18.41	16.93	15.35	15.50	16.47	16.05	16.5	17.1
30294	Ellenwood, GA		20.76	17.43	16.81	15.37	14.97	16.12	15.45	16.0	16.7
30296	Riverdale, GA		19.94	19.43	16.51	15.33	16.02	16.83	16.65	16.8	17.2
30297	Forest Park, GA		19.94	19.43	16.51	15.33	16.02	16.83	16.65	16.8	17.2
30303	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30305	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30306	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30307	Atlanta, GA		20.40	18.60	17.19	15.60	16.07	16.13	15.86	16.6	17.1
30308	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30309	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30310	Atlanta, GA	19.05	23.03	21.50	19.09	17.35	17.66	17.58	16.98	18.4	19.0
30311	Atlanta, GA	19.05	23.03	21.50	19.09	17.35	17.66	17.58	16.98	18.4	19.0
30312	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30313	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30314	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30316	Atlanta, GA		20.76	17.43	16.81	15.37	14.97	16.12	15.45	16.0	16.7
30317	Atlanta, GA		20.76	17.43	16.81	15.37	14.97	16.12	15.45	16.0	16.7
30318	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30319	Atlanta, GA	21.59	21.06	18.76	17.62	15.25	15.74	15.81	15.83	16.5	17.7
30322	Atlanta, GA		20.40	18.60	17.19	15.60	16.07	16.13	15.86	16.6	17.1

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
30324	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30326	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30327	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30329	Atlanta, GA	21.59	21.06	18.76	17.62	15.25	15.74	15.81	15.83	16.5	17.7
30334	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30337	Atlanta, GA		19.94	19.43	16.51	15.33	16.02	16.83	16.65	16.8	17.2
30338	Atlanta, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30339	Atlanta, GA	19.05	23.03	21.50	19.09	17.35	17.66	17.58	16.98	18.4	19.0
30340	Atlanta, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30341	Atlanta, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30342	Atlanta, GA		20.40	18.60	17.19	15.60	16.07	16.13	15.86	16.6	17.1
30344	Atlanta, GA		18.84	19.47	15.97					17.7	18.1
30345	Atlanta, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30346	Atlanta, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30349	Atlanta, GA		18.84	19.47	15.97					17.7	18.1
30354	Atlanta, GA		19.94	19.43	16.51	15.33	16.02	16.83	16.65	16.8	17.2
30360	Atlanta, GA	21.59	21.72	18.91	18.05	14.89	15.41	15.49	15.80	16.4	17.7
30363	Atlanta, GA	19.05	21.72	20.05	18.14	16.48	16.87	16.85	16.42	17.5	18.2
30501	Gainesville, GA		18.14	18.08	15.52	14.60	14.69	13.97	14.46	15.2	15.6
30504	Gainesville, GA		18.14	18.08	15.52	14.60	14.69	13.97	14.46	15.2	15.6
30507	Gainesville, GA		18.14	18.08	15.52	14.60	14.69	13.97	14.46	15.2	15.6
30601	Athens, GA		19.84	18.48	17.53	14.96	14.31	14.76	15.50	15.9	16.5
30602	Athens, GA		19.84	18.48	17.53	14.96	14.31	14.76	15.50	15.9	16.5
30605	Athens, GA		19.84	18.48	17.53	14.96	14.31	14.76	15.50	15.9	16.5
30606	Athens, GA		19.84	18.48	17.53	14.96	14.31	14.76	15.50	15.9	16.5
30609	Athens, GA		19.84	18.48	17.53	14.96	14.31	14.76	15.50	15.9	16.5
30683	Winterville, GA								15.50	15.5	15.5
30725	Flintstone, GA		19.07		15.94	14.84	16.00	14.70	16.55	15.6	16.2
30741	Rossville, GA		19.07	18.97	16.30	14.84	16.23	15.18	16.31	16.3	16.7
30742	Fort Oglethorpe, GA		19.07	18.97	16.30	14.84	16.23	15.18	16.31	16.3	16.7
30901	Augusta, GA	20.71	19.60	17.17	14.95	14.36	14.85	15.55	15.98	15.5	16.6
30904	Augusta, GA	20.71	19.60	17.17	14.95	14.36	14.85	15.55	15.98	15.5	16.6
30906	Augusta, GA	20.71	19.60	17.17	14.95	14.36	14.85	15.55	15.98	15.5	16.6
30909	Augusta, GA	20.71	19.60	17.17	14.95	14.36	14.85	15.55	15.98	15.5	16.6
30912	Augusta, GA	20.71	19.60	17.17	14.95	14.36	14.85	15.55	15.98	15.5	16.6
31005	Bonaire, GA					12.36	12.99	14.36	13.86	13.4	13.4
31031	Gordon, GA			17.47	17.01	13.91	13.83	15.46	15.67	15.6	15.6
31082	Sandersville, GA	18.08	18.18	16.44		13.64	13.73	15.85	14.71	14.9	15.8
31088	Warner Robins, GA					12.36	12.99	14.36	13.86	13.4	13.4
31089	Tennille, GA	18.08	18.18	16.44		13.64	13.73	15.85	14.71	14.9	15.8
31093	Warner Robins, GA					12.36	12.99	14.36	13.86	13.4	13.4
31098	Warner Robins, GA					12.36	12.99	14.36	13.86	13.4	13.4
31201	Macon, GA	16.73	18.36	18.42	16.11		14.81	16.79	16.66	16.6	16.8
31204	Macon, GA	16.73	18.36	18.42	16.11		14.81	16.79	16.66	16.6	16.8
31206	Macon, GA	16.73	18.36	18.42	16.11		14.81	16.79	16.66	16.6	16.8
31207	Macon, GA	16.73	18.36	18.42	16.11		14.81	16.79	16.66	16.6	16.8
31216	Macon, GA	16.73	18.36	18.42	16.11		14.81	16.79	16.66	16.6	16.8
31217	Macon, GA		18.06	16.59	13.76	13.16	12.95	14.30	14.31	14.2	14.7
31401	Savannah, GA		18.19	15.72	14.98	12.93	13.21	13.44	14.65	14.2	14.7
31405	Savannah, GA		18.19	15.72	14.98	12.93	13.21	13.44	14.65	14.2	14.7
31407	Savannah, GA		18.19	15.72	14.98	12.93	13.21	13.44	14.65	14.2	14.7
31408	Savannah, GA		18.19	15.72	14.98	12.93	13.21	13.44	14.65	14.2	14.7
31409	Savannah, GA		18.19	16.06	15.25	12.78	13.37	13.22	14.42	14.2	14.8
31415	Savannah, GA		18.19	15.72	14.98	12.93	13.21	13.44	14.65	14.2	14.7
31421	Savannah, GA		18.19	15.72	14.98	12.93	13.21	13.44	14.65	14.2	14.7
31520	Brunswick, GA			14.40	12.12	10.87	11.72	12.39	12.81	12.4	12.4
31525	Brunswick, GA			14.40	12.12	10.87	11.72	12.39	12.81	12.4	12.4
31601	Valdosta, GA			15.63		11.80			12.11	13.2	13.2
31602	Valdosta, GA			15.63		11.80			12.11	13.2	13.2
31698	Valdosta, GA			15.63		11.80			12.11	13.2	13.2

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
31701	Albany, GA		17.55	16.61	14.64	13.82	13.40	14.09	14.62	14.5	15.0
31704	Albany, GA		17.55	16.61	14.64	13.82	13.40	14.09	14.62	14.5	15.0
31705	Albany, GA		17.55	16.61	14.64	13.82	13.40	14.09	14.62	14.5	15.0
31901	Columbus, GA	19.71	19.88	18.22	15.95	14.43	14.34	15.12	14.77	15.5	16.6
31903	Columbus, GA	19.71	19.88	18.22	15.95	14.43	14.34	15.12	14.71	15.5	16.5
31904	Columbus, GA	21.74	21.08	17.62	16.01	14.75	14.93	15.40	15.21	15.7	17.1
31905	Fort Benning, GA	17.68	18.69	19.41	15.83	13.81	13.15	14.55	13.45	15.0	15.8
31906	Columbus, GA	19.71	19.88	18.22	15.95	14.43	14.34	15.12	14.77	15.5	16.6
31907	Columbus, GA	17.68	18.69	18.06	15.61	14.02	13.82	14.60	14.47	15.1	15.9
31909	Columbus, GA			16.70	15.39	14.23	14.49	14.64	14.98	15.1	15.1
32003	Fleming Island, FL			12.10	10.94	9.29	9.45	10.48	10.07	10.4	10.4
32114	Daytona Beach, FL	14.10	11.36	10.48	10.00	8.75	8.52	9.74	9.21	9.5	10.3
32117	Daytona Beach, FL	14.10	11.36	10.48	10.00	8.75	8.52	9.74	9.21	9.5	10.3
32118	Daytona Beach, FL	14.10	11.36	10.48	10.00	8.75	8.52	9.74	9.21	9.5	10.3
32119	Daytona Beach, FL	14.10	11.36	10.48	10.00	8.75	8.52	9.74	9.21	9.5	10.3
32124	Daytona Beach, FL	14.10	11.36	10.48	10.00	8.75	8.52	9.74	9.21	9.5	10.3
32129	Port Orange, FL	14.10	11.36	10.48	10.00	8.75	8.52	9.74	9.21	9.5	10.3
32211	Jacksonville, FL			12.30	11.26	10.19	9.80	10.83	10.62	10.8	10.8
32212	Jacksonville, FL			12.10	10.94	9.29	9.45	10.48	10.07	10.4	10.4
32214	Jacksonville, FL			12.10	10.94	9.29	9.45	10.48	10.07	10.4	10.4
32216	Jacksonville, FL			12.30	11.26	10.19	9.80	10.83	10.62	10.8	10.8
32223	Jacksonville, FL			12.10	10.94	9.29	9.45	10.48	10.07	10.4	10.4
32225	Jacksonville, FL			12.30	11.26	10.19	9.80	10.83	10.62	10.8	10.8
32246	Jacksonville, FL			12.30	11.26	10.19	9.80	10.83	10.62	10.8	10.8
32257	Jacksonville, FL			12.10	10.94	9.29	9.45	10.48	10.07	10.4	10.4
32259	Saint Johns, FL			12.10	10.94	9.29	9.45	10.48	10.07	10.4	10.4
32277	Jacksonville, FL			12.30	11.26	10.19	9.80	10.83	10.62	10.8	10.8
32301	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32303	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32304	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32306	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32307	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32310	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32399	Tallahassee, FL		13.92	13.64	12.51	12.92	11.83	13.07	12.92	12.8	13.0
32401	Panama City, FL	14.79				10.64	10.77	11.71	11.36	11.1	11.9
32403	Panama City, FL	14.79				10.64	10.77	11.71	11.36	11.1	11.9
32404	Panama City, FL	14.79				10.64	10.77	11.71	11.36	11.1	11.9
32405	Panama City, FL	14.79				10.64	10.77	11.71	11.36	11.1	11.9
32501	Pensacola, FL							12.84		12.8	12.8
32502	Pensacola, FL							12.84		12.8	12.8
32503	Pensacola, FL	15.49	14.82	13.93	11.39	10.95	11.18	12.48	11.94	12.0	12.8
32504	Pensacola, FL	15.49	14.82	13.93	11.39	10.95	11.18	12.48	11.94	12.0	12.8
32505	Pensacola, FL							12.84		12.8	12.8
32506	Pensacola, FL							12.84		12.8	12.8
32511	Pensacola, FL							12.84		12.8	12.8
32514	Pensacola, FL	15.49	14.82	13.93	11.39	10.95	11.18	12.11	11.94	11.9	12.7
32526	Pensacola, FL							12.84		12.8	12.8
32533	Cantonment, FL							12.02		12.0	12.0
32534	Pensacola, FL	15.49	14.82	13.93	11.39	10.95	11.18	12.11	11.94	11.9	12.7
32566	Navarre, FL						9.89			9.9	9.9
32601	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32603	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32605	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32606	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32607	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32608	Gainesville, FL			11.83	10.47	9.88	9.68	9.45	9.74	10.2	10.2
32609	Gainesville, FL	11.95	11.28	11.18	10.14	9.87	9.46	9.12	9.27	9.8	10.3
32611	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32653	Gainesville, FL	11.95	11.28	11.50	10.31	9.88	9.57	9.29	9.51	10.0	10.4
32701	Altamonte Springs, FL	12.98	11.33	11.85	10.74	9.52	9.28	9.88	9.65	10.2	10.7

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
32707	Casselberry, FL	12.98	11.10	11.41	10.21	9.19	8.92	9.85	9.76	9.9	10.4
32708	Winter Springs, FL		10.86	10.97	9.67	8.85	8.56	9.82	9.88	9.6	9.8
32714	Altamonte Springs, FL	12.98	11.33	11.85	10.74	9.52	9.28	9.88	9.65	10.2	10.7
32730	Casselberry, FL	12.98	11.33	11.85	10.74	9.52	9.28	9.88	9.65	10.2	10.7
32746	Lake Mary, FL		10.86	10.97	9.67	8.85	8.56	9.82	9.88	9.6	9.8
32750	Longwood, FL		10.86	10.97	9.67	8.85	8.56	9.82	9.88	9.6	9.8
32751	Maitland, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32771	Sanford, FL		10.86	10.97	9.67	8.85	8.56	9.82	9.88	9.6	9.8
32773	Sanford, FL		10.86	10.97	9.67	8.85	8.56	9.82	9.88	9.6	9.8
32789	Winter Park, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32792	Winter Park, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32801	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32803	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32804	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32805	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32806	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32807	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32808	Orlando, FL	12.98	11.33	11.85	10.74	9.52	9.28	9.88	9.65	10.2	10.7
32810	Orlando, FL	12.98	11.33	11.85	10.74	9.52	9.28	9.88	9.65	10.2	10.7
32812	Orlando, FL	13.03	11.22	12.03	10.85	9.69	9.44	10.05	9.79	10.3	10.8
32814	Orlando, FL	13.00	11.27	11.94	10.79	9.61	9.36	9.96	9.72	10.2	10.7
32822	Orlando, FL	13.03	11.22	12.03	10.85	9.69	9.44	10.05	9.79	10.3	10.8
32901	Melbourne, FL				8.65	7.56	7.45	8.62	8.32	8.1	8.1
32903	Indialantic, FL				8.65	7.56	7.45	8.62	8.32	8.1	8.1
32904	Melbourne, FL				8.65	7.56	7.45	8.62	8.32	8.1	8.1
32905	Palm Bay, FL				8.65	7.56	7.45	8.62	8.32	8.1	8.1
32907	Palm Bay, FL				8.65	7.56	7.45	8.62	8.32	8.1	8.1
32950	Malabar, FL				8.65	7.56	7.45	8.62	8.32	8.1	8.1
33004	Dania, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33009	Hallandale, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33010	Hialeah, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33019	Hollywood, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33020	Hollywood, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33021	Hollywood, FL	10.29	9.23	9.41	8.48	7.91	7.96	8.16	8.21	8.4	8.7
33023	Hollywood, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33024	Hollywood, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33026	Hollywood, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33030	Homestead, FL	9.45	8.60	8.88	7.94	7.41	7.92	8.40	8.21	8.1	8.3
33031	Homestead, FL	9.45	8.60	8.88	7.94	7.41	7.92	8.40	8.21	8.1	8.3
33033	Homestead, FL	9.45	8.60	8.88	7.94	7.41	7.92	8.40	8.21	8.1	8.3
33034	Homestead, FL	9.45	8.60	8.88	7.94	7.41	7.92	8.40	8.21	8.1	8.3
33035	Homestead, FL	9.45	8.60	8.88	7.94	7.41	7.92	8.40	8.21	8.1	8.3
33060	Pompano Beach, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33062	Pompano Beach, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33064	Pompano Beach, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33066	Pompano Beach, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33069	Pompano Beach, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33109	Miami Beach, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33125	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33127	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33128	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33129	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33130	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33131	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33132	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33133	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33134	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33135	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33136	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33137	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
33138	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33139	Miami Beach, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33140	Miami Beach, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33142	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33145	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33147	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33150	Miami, FL	11.28	12.06	11.27	10.00	9.13	9.40	9.55	9.64	9.8	10.3
33160	North Miami Beach, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33162	Miami, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33169	Miami, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33179	Miami, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33180	Miami, FL	10.08		9.29	8.61	8.03	8.16		8.15	8.4	8.7
33304	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33305	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33306	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33308	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33309	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33311	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33312	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33313	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33314	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33315	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33317	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33322	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33324	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33328	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33330	Fort Lauderdale, FL	10.50	9.23	9.53	8.36	7.80	7.77	8.16	8.26	8.3	8.7
33334	Fort Lauderdale, FL			9.45	8.61	7.93	7.95	8.38	8.15	8.4	8.4
33411	West Palm Beach, FL			9.10	7.69	7.04	7.36	8.00	8.07	7.9	7.9
33412	West Palm Beach, FL			9.10	7.69	7.04	7.36	8.00	8.07	7.9	7.9
33414	Wellington, FL			9.10	7.69	7.04	7.36	8.00	8.07	7.9	7.9
33426	Boynton Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33430	Belle Glade, FL		9.44				8.10	8.13		8.1	8.6
33431	Boca Raton, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33435	Boynton Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33436	Boynton Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33437	Boynton Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33444	Delray Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33445	Delray Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33446	Delray Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33470	Loxahatchee, FL			9.10	7.69	7.04	7.36	8.00	8.07	7.9	7.9
33483	Delray Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33484	Delray Beach, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33487	Boca Raton, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33493	South Bay, FL		9.44				8.10	8.13		8.1	8.6
33496	Boca Raton, FL	10.95	9.30	9.10		7.31	7.48	7.84	7.83	7.9	8.5
33510	Brandon, FL							11.46	10.87	11.2	11.2
33511	Brandon, FL							11.46	10.87	11.2	11.2
33527	Dover, FL							11.46	10.87	11.2	11.2
33584	Seffner, FL							11.46	10.87	11.2	11.2
33592	Thonotosassa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33594	Valrico, FL							11.46	10.87	11.2	11.2
33596	Valrico, FL							11.46	10.87	11.2	11.2
33602	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33603	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33604	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33605	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33606	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33607	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33609	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level 6-year means (2000- 2005) - i.e., original study timeframe	Area-level 8-year means (1998- 2005) - i.e., extended study timeframe
33610	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33611	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33612	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33613	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33614	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33616	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33617	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33620	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33621	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33629	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33634	Tampa, FL	14.85	12.71	13.47	11.76	10.70	10.43	11.34	11.08	11.5	12.0
33637	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33647	Tampa, FL		12.92	12.39	11.70	10.75	10.48			11.3	11.6
33706	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33707	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33708	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33709	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33710	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33711	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33713	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33714	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33715	Saint Petersburg, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33755	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33756	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33759	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33761	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33763	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33764	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33765	Clearwater, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33767	Clearwater Beach, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
33770	Largo, FL							10.27	9.48	9.9	9.9
33771	Largo, FL							10.27	9.48	9.9	9.9
33772	Seminole, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33777	Seminole, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33781	Pinellas Park, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33782	Pinellas Park, FL	12.94	11.90	12.33	11.25	10.34	9.33	9.62	10.38	10.5	11.0
33786	Belleair Beach, FL							10.27	9.48	9.9	9.9
33801	Lakeland, FL		11.03	12.21	11.14	10.09	9.19	10.16	9.66	10.4	10.5
33803	Lakeland, FL		11.03	12.21	11.14	10.09	9.19	10.16	9.66	10.4	10.5
33805	Lakeland, FL		11.03	12.21	11.14	10.09	9.19	10.16	9.66	10.4	10.5
33811	Lakeland, FL		11.03	12.21	11.14	10.09	9.19	10.16	9.66	10.4	10.5
33813	Lakeland, FL		11.03	12.21	11.14	10.09	9.19	10.16	9.66	10.4	10.5
33815	Lakeland, FL		11.03	12.21	11.14	10.09	9.19	10.16	9.66	10.4	10.5
33901	Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33903	North Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33904	Cape Coral, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33907	Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33912	Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33916	Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33919	Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33966	Fort Myers, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
33990	Cape Coral, FL	9.25	10.12	9.55	9.21	7.81	7.98	8.46	8.62	8.6	8.9
34205	Bradenton, FL		11.61	10.32	10.40	8.91	8.42	9.11	8.91	9.3	9.7
34207	Bradenton, FL		11.61	10.32	10.40	8.91	8.42	9.11	8.91	9.3	9.7
34209	Bradenton, FL		11.61	10.32	10.40	8.91	8.42	9.11	8.91	9.3	9.7
34210	Bradenton, FL		11.61	10.32	10.40	8.91	8.42	9.11	8.91	9.3	9.7
34215	Cortez, FL		11.61	10.32	10.40	8.91	8.42	9.11	8.91	9.3	9.7
34231	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34232	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34233	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
34234	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34235	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34236	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34237	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34238	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34239	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34242	Sarasota, FL		10.58	10.96	10.01	8.86	8.58	8.80	9.14	9.4	9.6
34470	Ocala, FL		11.40	10.95	10.37	9.82	9.30	10.62	10.50	10.3	10.4
34471	Ocala, FL		11.40	10.95	10.37	9.82	9.30	10.62	10.50	10.3	10.4
34475	Ocala, FL		11.40	10.95	10.37	9.82	9.30	10.62	10.50	10.3	10.4
34479	Ocala, FL		11.40	10.95	10.37	9.82	9.30	10.62	10.50	10.3	10.4
34480	Ocala, FL		11.40	10.95	10.37	9.82	9.30	10.62	10.50	10.3	10.4
34498	Yankeetown, FL		11.41	10.43	9.79	8.63	8.68	9.27	9.05	9.3	9.6
34683	Palm Harbor, FL		11.72	11.33	10.19					10.8	11.1
34695	Safety Harbor, FL		11.72	11.33	10.19					10.8	11.1
34698	Dunedin, FL		11.72	11.33	10.19			10.27	9.48	10.3	10.6
34945	Fort Pierce, FL		9.63	10.06	8.99	8.01	8.29	7.53	8.76	8.6	8.8
34946	Fort Pierce, FL		9.63	10.06	8.99	8.01	8.29	7.53	8.76	8.6	8.8
34947	Fort Pierce, FL		9.63	10.06	8.99	8.01	8.29	7.53	8.76	8.6	8.8
34950	Fort Pierce, FL		9.63	10.06	8.99	8.01	8.29	7.53	8.76	8.6	8.8
34951	Fort Pierce, FL		9.63	10.06	8.99	8.01	8.29	7.53	8.76	8.6	8.8
34981	Fort Pierce, FL		9.63	10.06	8.99	8.01	8.29	7.53	8.76	8.6	8.8
35004	Moody, AL	16.17	15.98					14.76	16.75	15.8	15.9
35006	Adger, AL			16.70	13.32	12.30	12.26	12.42	14.53	13.6	13.6
35007	Alabaster, AL			16.70	14.70	13.63	14.89	13.82	14.85	14.8	14.8
35022	Bessemer, AL		18.33	16.94	15.00	15.04	14.16	14.55	16.32	15.3	15.8
35044	Childersburg, AL	19.95	20.40	18.23	14.65	14.11	15.45	13.91	14.19	15.1	16.4
35061	Dolomite, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35063	Empire, AL			16.81	14.64	13.33	13.57	13.66	15.44	14.6	14.6
35064	Fairfield, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35068	Fultondale, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35080	Helena, AL			16.70	14.70	13.63	14.89	13.82	14.85	14.8	14.8
35094	Leeds, AL	16.17	15.98					14.76	16.75	15.8	15.9
35124	Pelham, AL		18.61	17.58	15.14	14.03	14.53	14.11	15.29	15.1	15.6
35126	Pinson, AL		19.04	16.58	14.30	13.37	13.51	13.53	15.22	14.4	15.1
35127	Pleasant Grove, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35176	Vandiver, AL	16.17	15.98					14.76	16.75	15.8	15.9
35203	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35204	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35205	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35207	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35208	Birmingham, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35209	Birmingham, AL	19.42	21.00	20.38	17.34	15.95	15.80	16.03	17.69	17.2	18.0
35211	Birmingham, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35212	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35213	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35214	Birmingham, AL	20.21	22.33	21.52	18.51	17.06	16.57	16.75	18.79	18.2	19.0
35215	Birmingham, AL		19.04	16.58	14.30	13.37	13.51	13.53	15.22	14.4	15.1
35216	Birmingham, AL		18.61	18.46	15.59	14.43	14.16	14.40	15.73	15.5	15.9
35217	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35218	Birmingham, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35221	Birmingham, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35222	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35223	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35224	Birmingham, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35226	Birmingham, AL		18.61	18.46	15.59	14.43	14.16	14.40	15.73	15.5	15.9
35228	Birmingham, AL	21.00	21.27	20.74	17.91	16.64	15.70	15.84	17.93	17.5	18.4
35229	Birmingham, AL		18.61	18.46	15.59	14.43	14.16	14.40	15.73	15.5	15.9
35233	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6
35234	Birmingham, AL	19.42	23.39	22.29	19.10	17.47	17.43	17.66	19.64	18.9	19.6

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
35235	Birmingham, AL		19.04	16.58	14.30	13.37	13.51	13.53	15.22	14.4	15.1
35244	Birmingham, AL		18.61	17.58	15.14	14.03	14.53	14.11	15.29	15.1	15.6
35254	Birmingham, AL	20.21	22.33	21.52	18.51	17.06	16.57	16.75	18.79	18.2	19.0
35401	Tuscaloosa, AL	19.77	19.62	16.31			12.70	12.65	13.88	13.9	15.8
35404	Tuscaloosa, AL	19.77	19.62	16.31			12.70	12.65	13.88	13.9	15.8
35405	Tuscaloosa, AL	19.77	19.62	16.31			12.70	12.65	13.88	13.9	15.8
35406	Tuscaloosa, AL	19.77	19.62	16.31						16.3	18.6
35453	Cottondale, AL						12.70	12.65	13.88	13.1	13.1
35473	Northport, AL	19.77	19.62	16.31						16.3	18.6
35476	Northport, AL	19.77	19.62	16.31						16.3	18.6
35487	Tuscaloosa, AL	19.77	19.62	16.31			12.70	12.65	13.88	13.9	15.8
35501	Jasper, AL						13.84	12.75	14.18	13.6	13.6
35504	Jasper, AL						13.84	12.75	14.18	13.6	13.6
35601	Decatur, AL		21.24			13.09	13.67	12.27	13.75	13.2	14.8
35603	Decatur, AL					13.09	13.67	12.27	13.75	13.2	13.2
35630	Florence, AL		17.32	15.62	12.82	12.81	12.89	11.75	13.24	13.2	13.8
35640	Hartselle, AL					13.09	13.67	12.27	13.75	13.2	13.2
35660	Sheffield, AL		17.32	15.62	12.82	12.81	12.89	11.75	13.24	13.2	13.8
35661	Muscle Shoals, AL		17.32	15.62	12.82	12.81	12.89	11.75	13.24	13.2	13.8
35801	Huntsville, AL	15.08	15.61	16.28	14.60	13.80	13.77	13.38	14.40	14.4	14.6
35802	Huntsville, AL	15.08	15.61	16.28	14.60	13.80	13.77	13.38	14.40	14.4	14.6
35805	Huntsville, AL	15.08	15.61	16.28	14.60	13.80	13.77	13.38	14.40	14.4	14.6
35808	Huntsville, AL	15.08	15.61	16.28	14.60	13.80	13.77	13.38	14.40	14.4	14.6
35816	Huntsville, AL	15.08	15.61	16.28	14.60	13.80	13.77	13.38	14.40	14.4	14.6
35901	Gadsden, AL			19.52		14.79	14.26	14.34	15.42	15.7	15.7
35903	Gadsden, AL			19.52		14.79	14.26	14.34	15.42	15.7	15.7
35904	Gadsden, AL			19.52		14.79	14.26	14.34	15.42	15.7	15.7
35905	Gadsden, AL			19.52		14.79	14.26	14.34	15.42	15.7	15.7
35906	Rainbow City, AL			19.52		14.79	14.26	14.34	15.42	15.7	15.7
35962	Crossville, AL		18.40	17.17	14.71	14.39	14.98	14.09	14.22	14.9	15.4
35974	Geraldine, AL		18.40	17.17	14.71	14.39	14.98	14.09	14.22	14.9	15.4
36104	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36106	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36107	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36109	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36110	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36112	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36113	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36114	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36115	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36130	Montgomery, AL		19.19	17.18	14.29	14.36	14.05	13.88	14.47	14.7	15.3
36251	Ashland, AL		17.41	16.42	12.82	13.18	13.37	13.16	13.43	13.7	14.3
36301	Dothan, AL	17.13	19.58	15.42	14.00	13.03	13.80		13.19	13.9	15.2
36303	Dothan, AL	17.13	19.58	15.42	14.00	13.03	13.80		13.19	13.9	15.2
36321	Cowarts, AL	17.13	19.58	15.42	14.00	13.03	13.80			14.1	15.5
36426	Brewton, AL	18.12	15.65	16.80	12.46	11.87	12.72	12.66	13.71	13.4	14.2
36523	Coden, AL		16.81	15.27	12.35	10.57	12.60	14.58	11.75	12.9	13.4
36532	Fairhope, AL			14.53	10.58	10.37	12.17	11.36	11.75	11.8	11.8
36571	Saraland, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36582	Theodore, AL		16.81	15.27	12.35	10.57	12.60	14.58	11.75	12.9	13.4
36602	Mobile, AL		18.57	15.09	12.78	12.10	12.82	12.98	12.91	13.1	13.9
36603	Mobile, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36604	Mobile, AL		18.57	15.09	12.78	12.10	12.82	12.98	12.91	13.1	13.9
36607	Mobile, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36610	Mobile, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36611	Mobile, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36612	Mobile, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36617	Mobile, AL		18.57	15.09	12.78	12.10	12.46	12.49	12.85	13.0	13.8
36867	Phenix City, AL	21.74	21.08	17.62	16.01	14.75	14.93	15.40	15.21	15.7	17.1
36869	Phenix City, AL	21.74	21.08	17.62	16.01	14.75	14.93	15.40	15.34	15.7	17.1

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
36922	Ward, AL		17.02	15.30	12.11	11.75	12.10	11.42	12.25	12.5	13.1
37040	Clarksville, TN		16.66	14.14	13.19	12.56	14.18	12.39	15.07	13.6	14.0
37043	Clarksville, TN		16.66	14.14	13.19	12.56	14.18	12.39	15.07	13.6	14.0
37072	Goodlettsville, TN		16.93	15.75	14.16	12.83	13.66	12.80	14.72	14.0	14.4
37075	Hendersonville, TN		16.93	15.75	14.16	12.83	13.66	12.80	14.72	14.0	14.4
37115	Madison, TN		16.93	15.75	14.16	12.83	13.66	12.80	14.72	14.0	14.4
37138	Old Hickory, TN		16.93	15.75	14.16	12.83	13.66	12.80	14.72	14.0	14.4
37201	Nashville, TN	16.21	17.56	16.89	14.92	13.51	14.37	13.09	14.48	14.5	15.1
37203	Nashville, TN	16.21	17.32	16.55	14.41	13.51	14.37	12.76	14.16	14.3	14.9
37204	Nashville, TN	16.21	17.56	16.89	14.92	13.51	14.37	13.09	14.48	14.5	15.1
37205	Nashville, TN		16.83	15.86	13.39			12.10	13.50	13.7	14.3
37206	Nashville, TN	16.21	17.56	16.89	14.92	13.51	14.37	13.09	14.48	14.5	15.1
37207	Nashville, TN	16.21	18.64	16.96	15.19	13.51	14.37	13.12	14.75	14.7	15.3
37208	Nashville, TN	16.21	18.64	16.96	15.19	13.51	14.37	13.12	14.75	14.7	15.3
37209	Nashville, TN		16.83	15.86	13.39			12.10	13.50	13.7	14.3
37210	Nashville, TN	16.21	17.56	16.89	14.92	13.51	14.37	13.09	14.48	14.5	15.1
37211	Nashville, TN		16.48	16.83	14.64			13.05	14.21	14.7	15.0
37212	Nashville, TN	16.21	17.32	16.55	14.41	13.51	14.37	12.76	14.16	14.3	14.9
37213	Nashville, TN	16.21	17.56	16.89	14.92	13.51	14.37	13.09	14.48	14.5	15.1
37214	Nashville, TN	16.21	18.64	16.96	15.19	13.51	14.37	13.12	14.75	14.7	15.3
37215	Nashville, TN		16.83	15.86	13.39			12.10	13.50	13.7	14.3
37216	Nashville, TN	16.21	18.64	16.96	15.19	13.51	14.37	13.12	14.75	14.7	15.3
37217	Nashville, TN		16.48	16.83	14.64			13.05	14.21	14.7	15.0
37219	Nashville, TN	16.21	17.56	16.89	14.92	13.51	14.37	13.09	14.48	14.5	15.1
37220	Nashville, TN		16.48	16.83	14.64			13.05	14.21	14.7	15.0
37228	Nashville, TN	16.21	18.64	16.96	15.19	13.51	14.37	13.12	14.75	14.7	15.3
37240	Nashville, TN	16.21	17.32	16.55	14.41	13.51	14.37	12.76	14.16	14.3	14.9
37303	Athens, TN			17.95	16.06	14.20	13.60	13.77	14.79	15.1	15.1
37343	Hixson, TN				14.23					14.2	14.2
37350	Lookout Mountain, TN		19.00	17.79	16.04	14.79	15.42	14.60	16.07	15.8	16.2
37379	Soddy Daisy, TN						14.27	13.29	13.79	13.8	13.8
37402	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37403	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37404	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37405	Chattanooga, TN		18.94	17.79	16.13	14.74	14.83	14.50	15.58	15.6	16.1
37406	Chattanooga, TN		18.94	18.38	16.39	14.74	15.64	15.07	15.82	16.0	16.4
37407	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37408	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37409	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37410	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37411	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37412	Chattanooga, TN		19.00	18.38	16.24	14.79	15.76	14.95	16.06	16.0	16.5
37415	Chattanooga, TN		18.94	17.79	15.18	14.74	14.83	14.50	15.58	15.4	15.9
37419	Chattanooga, TN		19.00	17.79	16.04	14.79	15.42	14.60	16.07	15.8	16.2
37620	Bristol, TN		16.32	16.58	15.15	14.09	13.82	13.85	14.34	14.6	14.9
37660	Kingsport, TN			17.09	15.97	14.28	13.86	13.18	15.02	14.9	14.9
37663	Kingsport, TN			17.09	15.97	14.28	13.86	13.18	15.02	14.9	14.9
37664	Kingsport, TN			17.09	15.97	14.28	13.86	13.18	15.02	14.9	14.9
37665	Kingsport, TN			17.09	15.97	14.28	13.86	13.18	15.02	14.9	14.9
37701	Alcoa, TN		17.40		14.97	14.42	13.89	13.50	14.82	14.3	14.8
37724	Cumberland Gap, TN				15.94	14.29	14.21	13.40		14.5	14.5
37748	Harriman, TN		18.38	16.92	15.77	13.63	13.31	14.01	15.35	14.8	15.3
37771	Lenoir City, TN							14.67	16.15	15.4	15.4
37774	Loudon, TN							14.67	16.15	15.4	15.4
37803	Maryville, TN		17.40		14.97	14.42	13.89	13.50	14.82	14.3	14.8
37804	Maryville, TN		17.40		14.97	14.42	13.89	13.50	14.82	14.3	14.8
37829	Oakdale, TN		18.38	16.92	15.77	13.63	13.31	14.01	15.35	14.8	15.3
37853	Rockford, TN		17.40		14.97	14.42	13.89	13.50	14.82	14.3	14.8
37902	Knoxville, TN	20.39	22.71	19.23	18.00	16.24	14.91	15.02	16.21	16.6	17.8
37909	Knoxville, TN	20.39	21.23	19.57	17.33	15.90	14.94	14.50	15.80	16.3	17.5

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
37912	Knoxville, TN	20.39	21.23	19.57	17.33	15.90	14.94	14.50	15.80	16.3	17.5
37914	Knoxville, TN			17.98	17.75	16.10	14.29	14.92	16.16	16.2	16.2
37915	Knoxville, TN	20.39	22.71	19.23	18.00	16.24	14.91	15.02	16.21	16.6	17.8
37916	Knoxville, TN	20.39	22.71	19.23	18.00	16.24	14.91	15.02	16.21	16.6	17.8
37917	Knoxville, TN	20.39	22.71	19.23	18.00	16.24	14.91	15.02	16.21	16.6	17.8
37918	Knoxville, TN	20.39	22.71	19.23	18.00	16.24	14.91	15.02	16.21	16.6	17.8
37919	Knoxville, TN	20.39	21.23	19.57	17.33	15.90	14.94	14.50	15.80	16.3	17.5
37920	Knoxville, TN	20.39	22.71	20.47	18.25	16.38	15.52	15.12	16.25	17.0	18.1
37921	Knoxville, TN	20.39	21.23	19.57	17.33	15.90	14.94	14.50	15.80	16.3	17.5
37923	Knoxville, TN		19.75	18.67	16.42	15.42	14.35	13.87	15.35	15.7	16.3
37924	Knoxville, TN			17.98	17.75	16.10	14.29	14.92	16.16	16.2	16.2
37931	Knoxville, TN		19.75	18.67	16.42	15.42	14.35	13.87	15.35	15.7	16.3
37996	Knoxville, TN	20.39	22.71	19.23	18.00	16.24	14.91	15.02	16.21	16.6	17.8
38004	Atoka, TN				11.97	11.45	11.71	11.27	13.25	11.9	11.9
38023	Drummonds, TN				11.97	11.45	11.71	11.27	13.25	11.9	11.9
38024	Dyersburg, TN			14.08	12.35	11.62	12.13	10.60	13.87	12.4	12.4
38053	Millington, TN				11.97	11.45	11.71	11.27	13.25	11.9	11.9
38058	Munford, TN				11.97	11.45	11.71	11.27	13.25	11.9	11.9
38103	Memphis, TN		15.85	16.30	14.53	13.78	13.75	12.90	14.75	14.3	14.6
38104	Memphis, TN		15.18	15.63	14.84	13.52	13.70	12.86	14.82	14.2	14.4
38105	Memphis, TN		15.85	16.30	14.53	13.78	13.75	12.90	14.75	14.3	14.6
38106	Memphis, TN		15.85	16.30	14.53	13.78	13.75	12.90	14.75	14.3	14.6
38107	Memphis, TN		15.85	16.30	14.53	13.78	13.75	12.90	14.75	14.3	14.6
38108	Memphis, TN		15.56	16.59	14.44	13.68	13.64	12.60	14.65	14.3	14.5
38111	Memphis, TN		14.89	15.93	14.75	13.42	13.59	12.57	14.72	14.2	14.3
38112	Memphis, TN		15.21	16.05	14.67	13.54	13.64	12.68	14.73	14.2	14.4
38114	Memphis, TN		15.18	15.63	14.84	13.52	13.70	12.86	14.82	14.2	14.4
38116	Memphis, TN		14.51	14.97	15.15	13.25	13.65	12.83	14.89	14.1	14.2
38117	Memphis, TN		14.89	15.93	14.75	13.42	13.59	12.57	14.72	14.2	14.3
38118	Memphis, TN		14.51	14.97	15.15	13.25	13.65	12.83	14.89	14.1	14.2
38122	Memphis, TN		14.89	15.93	14.75	13.42	13.59	12.57	14.72	14.2	14.3
38126	Memphis, TN		15.85	16.30	14.53	13.78	13.75	12.90	14.75	14.3	14.6
38127	Memphis, TN		15.56	16.59	14.44	13.68	13.64	12.60	14.65	14.3	14.5
38128	Memphis, TN		15.27	16.89	14.34	13.58	13.53	12.30	14.55	14.2	14.4
38131	Memphis, TN		14.51	14.97	15.15	13.25	13.65	12.83	14.89	14.1	14.2
38132	Memphis, TN		14.51	14.97	15.15	13.25	13.65	12.83	14.89	14.1	14.2
38134	Memphis, TN		15.27	16.89	14.34	13.58	13.53	12.30	14.55	14.2	14.4
38152	Memphis, TN		14.89	15.93	14.75	13.42	13.59	12.57	14.72	14.2	14.3
38301	Jackson, TN		16.12	14.70	13.33	11.97				13.3	14.0
38305	Jackson, TN		16.12	14.70	13.33	11.97				13.3	14.0
38401	Columbia, TN		15.62	15.13	13.17	12.38	12.70	12.09	14.30	13.3	13.6
38469	Loretto, TN		14.08	13.31	12.81	11.53	11.68	10.59	12.13	12.0	12.3
38486	Westpoint, TN		14.08	13.31	12.81	11.53	11.68	10.59	12.13	12.0	12.3
38501	Cookeville, TN			15.58	14.55	13.02	12.93	12.74	14.45	13.9	13.9
38505	Cookeville, TN			15.58	14.55	13.02	12.93	12.74	14.45	13.9	13.9
38506	Cookeville, TN			15.58	14.55	13.02	12.93	12.74	14.45	13.9	13.9
38632	Hernando, MS		15.16	14.06	12.70	12.50	12.26	11.94	13.31	12.8	13.1
38651	Nesbit, MS		15.16	14.06	12.70	12.50	12.26	11.94	13.31	12.8	13.1
38730	Boyle, MS			15.15	12.74	11.73	12.76	11.74	13.25	12.9	12.9
38732	Cleveland, MS			15.15	12.74	11.73	12.76	11.74	13.25	12.9	12.9
38733	Cleveland, MS			15.15	12.74	11.73	12.76	11.74	13.25	12.9	12.9
38801	Tupelo, MS	14.25	15.22	14.55	12.84	11.77	12.51	11.82	13.22	12.8	13.3
38804	Tupelo, MS	14.25	15.22	14.55	12.84	11.77	12.51	11.82	13.22	12.8	13.3
38826	Belden, MS	14.25	15.22	14.55	12.84	11.77	12.51	11.82	13.22	12.8	13.3
39117	Morton, MS			13.52	11.53	11.18	12.37	11.52	12.55	12.1	12.1
39120	Natchez, MS			13.15	11.14	10.66	11.36	10.73	12.30	11.6	11.6
39157	Ridgeland, MS		16.47	15.24	13.22	12.13	13.82	12.24	13.10	13.3	13.7
39180	Vicksburg, MS			14.09	12.88	11.33	12.49	11.52	12.98	12.5	12.5
39201	Jackson, MS	18.40	15.92	15.23	13.56	12.29	13.78	12.40	13.69	13.5	14.4
39202	Jackson, MS	18.40	16.19	15.23	13.45	12.24	13.80	12.35	13.40	13.4	14.4

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
39203	Jackson, MS	18.40	15.92	15.23	13.56	12.29	13.78	12.40	13.69	13.5	14.4
39204	Jackson, MS	18.40	15.92	15.64	13.72	12.07	14.12	12.96	13.69	13.7	14.6
39206	Jackson, MS	18.40	16.19	15.44	13.47	12.10	13.97	12.60	13.40	13.5	14.4
39208	Pearl, MS	18.40	15.92	15.23	13.56	12.29	13.78	12.40	13.69	13.5	14.4
39209	Jackson, MS	18.40	15.92	15.64	13.72	12.07	14.12	12.96	13.69	13.7	14.6
39210	Jackson, MS	18.40	16.19	15.23	13.45	12.24	13.80	12.35	13.40	13.4	14.4
39211	Jackson, MS		16.47	15.24	13.22	12.13	13.82	12.24	13.10	13.3	13.7
39212	Jackson, MS	18.40	15.92	15.64	13.72	12.07	14.12	12.96	13.69	13.7	14.6
39213	Jackson, MS	18.40	16.19	15.44	13.47	12.10	13.97	12.60	13.40	13.5	14.4
39216	Jackson, MS	18.40	16.19	15.23	13.45	12.24	13.80	12.35	13.40	13.4	14.4
39217	Jackson, MS	18.40	15.92	15.23	13.56	12.29	13.78	12.40	13.69	13.5	14.4
39218	Richland, MS	18.40	15.92	15.23	13.56	12.29	13.78	12.40	13.69	13.5	14.4
39232	Flowood, MS		16.47	15.03	13.31	12.32	13.63	12.04	13.10	13.2	13.7
39301	Meridian, MS			14.98	13.41	12.76	12.76	12.93	14.06	13.5	13.5
39305	Meridian, MS			14.98	13.41	12.76	12.76	12.93	14.06	13.5	13.5
39307	Meridian, MS			14.98	13.41	12.76	12.76	12.93	14.06	13.5	13.5
39401	Hattiesburg, MS			14.93	13.56	12.80	13.60	12.75	13.80	13.6	13.6
39406	Hattiesburg, MS			14.93	13.56	12.80	13.60	12.75	13.80	13.6	13.6
39440	Laurel, MS			16.99	14.30	13.74	15.07	13.45	14.76	14.7	14.7
39443	Laurel, MS			16.99	14.30	13.74	15.07	13.45	14.76	14.7	14.7
39465	Petal, MS			14.93	13.56	12.80	13.60	12.75	13.80	13.6	13.6
39466	Picayune, MS				11.74	11.15	12.16	11.85	12.43	11.9	11.9
39501	Gulfport, MS			12.77	11.65	10.64	12.00	12.18	12.93	12.0	12.0
39507	Gulfport, MS			12.77	11.65	10.64	12.00	12.18	12.93	12.0	12.0
39531	Biloxi, MS			12.77	11.65	10.64	12.00	12.18	12.93	12.0	12.0
39563	Moss Point, MS		15.86	13.42	12.18	10.96	11.95	12.06	12.59	12.2	12.7
39567	Pascagoula, MS		15.86	13.42	12.18	10.96	11.95	12.06	12.59	12.2	12.7
39572	Pearlington, MS		14.00	12.23	10.25	9.52	10.55	10.72		10.7	11.2
39581	Pascagoula, MS		15.86	13.42	12.18	10.96	11.95	12.06	12.59	12.2	12.7
39701	Columbus, MS			15.48	13.44	13.30	13.16	11.66	13.41	13.4	13.4
39702	Columbus, MS			15.48	13.44	13.30	13.16	11.66	13.41	13.4	13.4
39705	Columbus, MS			15.48	13.44	13.30	13.16	11.66	13.41	13.4	13.4
40109	Brooks, KY	15.13	15.42	16.70	16.00	14.69	14.37	13.62	16.32	15.3	15.3
40165	Shepherdsville, KY	15.13	15.42	16.70	16.00	14.69	14.37	13.62	16.32	15.3	15.3
40177	West Point, KY	15.91	15.19				14.92	12.63	16.48	14.7	15.0
40202	Louisville, KY	18.14	17.01	17.32	17.56	16.77	15.64	14.35	17.12	16.5	16.7
40203	Louisville, KY	18.14	17.01	17.32	17.56	16.77	15.64	14.35	17.12	16.5	16.7
40204	Louisville, KY	18.41	16.87	17.33	17.16	16.63	15.46	14.28	17.26	16.4	16.7
40205	Louisville, KY	18.52	16.87	17.65	16.88	16.22	15.53	14.39	17.65	16.4	16.7
40206	Louisville, KY	18.52	16.87	17.65	16.88	16.22	15.53	14.39	17.65	16.4	16.7
40208	Louisville, KY	18.14	17.01	17.32	17.56	16.77	15.64	14.35	17.12	16.5	16.7
40209	Louisville, KY	18.14	17.01	17.32	17.56	16.77	15.64	14.35	17.12	16.5	16.7
40210	Louisville, KY	18.14	17.01	17.32	17.56	16.77	15.64	14.35	17.12	16.5	16.7
40211	Louisville, KY	18.14	16.58	17.10	17.20	16.33	15.35	14.22	17.07	16.2	16.5
40212	Louisville, KY	18.14	16.58	17.10	17.20	16.33	15.35	14.22	17.07	16.2	16.5
40213	Louisville, KY	17.67	17.01	16.69	17.32	16.94	15.46	13.88	16.62	16.2	16.4
40214	Louisville, KY	18.20	16.87	16.68	17.73	17.45	15.38	14.05	16.48	16.3	16.6
40215	Louisville, KY	17.56	17.16	16.90	17.79	17.01	15.64	14.11	16.65	16.4	16.6
40216	Louisville, KY	17.77	17.16	16.99	18.24	17.31	15.70	14.31	16.59	16.5	16.8
40217	Louisville, KY	18.14	17.01	17.32	17.16	16.77	15.64	14.35	17.12	16.4	16.7
40218	Louisville, KY	17.15	17.15	16.71	16.90	16.43	15.53	13.71	16.77	16.0	16.3
40272	Louisville, KY	15.91	15.19				14.92	12.63	16.48	14.7	15.0
40292	Louisville, KY	18.14	17.01	17.32	17.56	16.77	15.64	14.35	17.12	16.5	16.7
40475	Richmond, KY		15.06	15.39	14.22	13.46	12.93	12.98	15.21	14.0	14.2
40502	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40503	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40504	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40505	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40507	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40508	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
40511	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40513	Lexington, KY	15.91	16.38	17.44	16.63	15.56	15.03	14.32	16.05	15.8	15.9
40514	Lexington, KY	15.91	16.38	17.44	16.63	15.56	15.03	14.32	16.05	15.8	15.9
40515	Lexington, KY	15.91	16.38	17.44	16.63	15.56	15.03	14.32	16.05	15.8	15.9
40517	Lexington, KY	16.28	15.95	17.04	16.26	15.32	14.41	13.89	15.78	15.4	15.6
40601	Frankfort, KY		14.08	15.38	14.13	13.85	13.07	12.54	14.59	13.9	13.9
40740	Lily, KY						12.11	11.47	14.07	12.6	12.6
40741	London, KY						12.11	11.47	14.07	12.6	12.6
40744	London, KY						12.11	11.47	14.07	12.6	12.6
40965	Middlesboro, KY				15.94	14.29	14.21	13.40		14.5	14.5
41011	Covington, KY	16.80	15.47	16.26	16.13	15.53	14.98	14.20	16.83	15.7	15.8
41014	Covington, KY	16.80	15.47	16.26	16.13	15.53	14.98	14.20	16.83	15.7	15.8
41015	Latonia, KY	16.80	15.47	16.04	15.47	14.93	13.86	13.10	15.35	14.8	15.1
41016	Covington, KY	16.80	15.63	16.57	16.37	15.77	15.50	14.68	17.49	16.1	16.1
41017	FT Mitchell, KY	16.80	15.63	16.42	16.59	15.94	15.49	14.71	17.47	16.1	16.1
41071	Newport, KY	16.80	16.14	16.51	16.25	15.64	15.18	14.43	17.14	15.9	16.0
41073	Bellevue, KY	18.13	16.82	17.06	16.38	15.86	15.54	14.76	17.61	16.2	16.5
41074	Dayton, KY	18.13	17.46	17.41	16.62	16.02	15.68	14.89	17.92	16.4	16.8
41075	Fort Thomas, KY	16.80	16.14	16.51	15.91	15.34	14.81	14.04	16.65	15.5	15.8
41076	Newport, KY		15.32	15.65	15.40	14.81	13.42	12.77	14.84	14.5	14.6
41085	Silver Grove, KY		15.32	15.65	15.40	14.81	13.42	12.77	14.84	14.5	14.6
41099	Newport, KY	16.80	15.47	16.04	15.47	14.93	13.86	13.10	15.35	14.8	15.1
41101	Ashland, KY	19.17	17.49	16.68	16.58	15.51	14.09	13.50	16.49	15.5	16.2
41102	Ashland, KY		14.89	16.01	15.49	15.54	13.93	13.29	16.01	15.0	15.0
41139	Flatwoods, KY	19.17	20.10	17.35	17.67	15.48	14.25	13.71	16.97	15.9	16.8
41146	Hitchins, KY		11.91	14.15	12.66	12.44	11.41	11.08	13.55	12.5	12.5
41169	Russell, KY	19.17	20.10	17.35	17.67	15.48	14.25	13.71	16.97	15.9	16.8
41183	Worthington, KY	19.17	20.10	17.35	17.67	15.48	14.25	13.71	16.97	15.9	16.8
41501	Pikeville, KY	15.03	18.22	15.51	14.77	13.58	13.13	12.34	14.14	13.9	14.6
41701	Hazard, KY				14.33		13.30	11.94	13.87	13.4	13.4
41719	Bonnyman, KY				14.33		13.30	11.94	13.87	13.4	13.4
41722	Bulan, KY				14.33		13.30	11.94	13.87	13.4	13.4
41729	Combs, KY				14.33		13.30	11.94	13.87	13.4	13.4
42001	Paducah, KY	15.07	15.65	15.53	14.11	12.61	13.75	11.77	14.03	13.6	14.1
42003	Paducah, KY	15.07	15.65	15.53	14.11	12.61	13.75	11.77	14.03	13.6	14.1
42101	Bowling Green, KY		16.13	15.42	14.77	13.27	13.31	13.14	14.82	14.1	14.4
42103	Bowling Green, KY		16.13	15.42	14.77	13.27	13.31	13.14	14.82	14.1	14.4
42104	Bowling Green, KY		16.13	15.42	14.77	13.27	13.31	13.14	14.82	14.1	14.4
42163	Rocky Hill, KY							11.58	13.63	12.6	12.6
42266	Pembroke, KY		15.12	15.64	13.51	13.09	13.86	11.83	14.04	13.7	13.9
42301	Owensboro, KY	16.14	15.20		15.18	15.03	14.62	12.47	15.09	14.5	14.8
42303	Owensboro, KY	16.14	15.20		15.18	15.03	14.62	12.47	15.09	14.5	14.8
42420	Henderson, KY		14.62	16.01	14.21	14.18				14.8	14.8
42458	Spottsville, KY							12.14	15.36	13.8	13.8
42701	Elizabethtown, KY			16.41	14.92	13.98	13.39	12.24	14.50	14.2	14.2
43081	Westerville, OH		17.13	18.25	16.78	16.18	14.85	13.57	14.59	15.7	15.9
43082	Westerville, OH		17.13	18.25	16.78	16.18	14.85	13.57	14.59	15.7	15.9
43085	Columbus, OH		17.13	18.25	16.78	16.18	14.85	13.57	14.59	15.7	15.9
43201	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43202	Columbus, OH	17.93	17.74	18.04	17.32	15.97	15.64	14.29	15.51	16.1	16.6
43203	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43205	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43206	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43207	Columbus, OH		17.74	17.09	16.90	16.06	15.29	14.62	16.45	16.1	16.3
43209	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43210	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43211	Columbus, OH	17.93	17.74	17.72	17.18	16.00	15.53	14.40	15.82	16.1	16.5
43212	Columbus, OH	17.93	18.35	17.83	17.85	15.77	16.44	15.01	16.43	16.6	17.0
43214	Columbus, OH	17.93	17.74	18.04	17.32	15.97	15.64	14.29	15.51	16.1	16.6
43215	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
43219	Columbus, OH	17.93	17.74	18.04	17.32	15.97	15.64	14.29	15.51	16.1	16.6
43222	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43223	Columbus, OH	17.93	18.04	17.46	17.38	15.91	15.86	14.81	16.44	16.3	16.7
43224	Columbus, OH	17.93	17.74	18.04	17.32	15.97	15.64	14.29	15.51	16.1	16.6
43229	Columbus, OH	17.93	17.74	18.04	17.32	15.97	15.64	14.29	15.51	16.1	16.6
43231	Columbus, OH		17.13	18.25	16.78	16.18	14.85	13.57	14.59	15.7	15.9
43240	Columbus, OH		17.13	18.25	16.78	16.18	14.85	13.57	14.59	15.7	15.9
43460	Rossford, OH		15.74		15.61	14.94	14.39	13.33	15.76	14.8	15.0
43465	Walbridge, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43528	Holland, OH				15.49	14.90	14.25	12.98	15.68	14.7	14.7
43537	Maumee, OH				15.49	14.90	14.25	12.98	15.68	14.7	14.7
43551	Perrysburg, OH				15.49	14.90	14.25	12.98	15.68	14.7	14.7
43604	Toledo, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43605	Toledo, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43606	Toledo, OH		15.74		15.61	14.94	14.39	13.33	15.76	14.8	15.0
43607	Toledo, OH		15.74		15.61	14.94	14.39	13.33	15.76	14.8	15.0
43608	Toledo, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43609	Toledo, OH		15.74		15.61	14.94	14.39	13.33	15.76	14.8	15.0
43610	Toledo, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43611	Toledo, OH		15.74	15.45	15.14	15.51	14.19	13.33	15.68	14.9	15.0
43612	Toledo, OH		15.74		15.72	14.98	14.53	13.68	15.84	15.0	15.1
43613	Toledo, OH		15.74		15.72	14.98	14.53	13.68	15.84	15.0	15.1
43614	Toledo, OH				15.49	14.90	14.25	12.98	15.68	14.7	14.7
43615	Toledo, OH				15.49	14.90	14.25	12.98	15.68	14.7	14.7
43616	Oregon, OH			15.72	14.40	15.30	14.30	13.33	15.49	14.8	14.8
43619	Northwood, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43620	Toledo, OH		15.74	15.72	15.06	15.14	14.41	13.51	15.67	14.9	15.0
43623	Toledo, OH				15.49	14.90	14.25	12.98	15.68	14.7	14.7
43728	Chesterhill, OH	11.53	13.94		12.41	12.70	12.32	11.43	13.27	12.4	12.5
43906	Bellaire, OH	15.78	15.96	15.35	15.55	15.02	15.05	14.14		15.0	15.3
43912	Bridgeport, OH	15.78	15.96	15.35	15.55	15.02	15.05	14.14		15.0	15.3
43913	Brilliant, OH	17.75	18.26	16.97	18.08	16.85	16.85	16.38	17.74	17.1	17.4
43935	Martins Ferry, OH	15.78	15.96	15.35	15.55	15.02	15.05	14.14	15.42	15.1	15.3
43938	Mingo Junction, OH	17.54	18.30	17.35	17.72	16.68	16.79	16.01	17.29	17.0	17.2
43943	Rayland, OH								15.42	15.4	15.4
43947	Shadyside, OH	17.72	17.06	16.41	16.05	15.62	15.40	14.41	16.21	15.7	16.1
43952	Steubenville, OH	18.20	18.01	17.42	17.65	16.83	16.96	16.04	17.09	17.0	17.3
43963	Tiltonsville, OH								15.42	15.4	15.4
43964	Toronto, OH	18.65	16.96	16.95	16.94	16.44	17.06	15.77	16.78	16.7	16.9
43971	Yorkville, OH								15.42	15.4	15.4
44001	Amherst, OH	15.26	14.33		14.58	13.99	13.10	12.88	16.44	14.2	14.4
44017	Berea, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44052	Lorain, OH	14.41	14.07	15.64	14.54	14.01	12.46	12.32	15.57	14.1	14.1
44053	Lorain, OH	14.84	14.80	15.64	14.54	13.99	13.10	12.88	16.44	14.4	14.5
44054	Sheffield Lake, OH	14.41	14.07	15.64	14.54	14.01	12.46	12.32	15.57	14.1	14.1
44055	Lorain, OH	14.41	14.07	15.64	14.54	14.01	12.46	12.32	15.57	14.1	14.1
44077	Painesville, OH	16.21	14.08	13.96	14.04	13.56	12.52	11.56	15.00	13.4	13.9
44102	Cleveland, OH	20.89	18.98	19.04	18.06	16.94	16.64	16.21	18.82	17.6	18.2
44103	Cleveland, OH	20.97	18.00	18.44	17.06	16.13	15.63	15.43	18.36	16.8	17.5
44104	Cleveland, OH	20.97	18.00	18.44	17.35	16.39	16.01	16.00	18.77	17.2	17.7
44105	Cleveland, OH	20.87	17.92	18.65	17.28	16.37	16.12	16.10	19.13	17.3	17.8
44106	Cleveland, OH	20.87	17.92	18.65	16.95	16.07	15.66	15.39	18.57	16.9	17.5
44108	Cleveland, OH	20.58	17.00	18.35	16.46	15.80	15.21	14.75	18.35	16.5	17.1
44109	Cleveland, OH	20.97	18.70	18.94	17.81	16.75	16.43	16.00	18.77	17.5	18.0
44110	Cleveland, OH				14.98	14.29	13.37	12.56	16.31	14.3	14.3
44111	Cleveland, OH	19.46	17.01	16.08	16.29	15.78	14.69	14.41	17.07	15.7	16.3
44112	Cleveland, OH		14.53	15.41	14.79	14.25	13.64	12.56	16.31	14.5	14.5
44113	Cleveland, OH	20.97	18.70	18.94	17.81	16.75	16.43	16.00	18.77	17.5	18.0
44114	Cleveland, OH	20.97	18.70	18.94	17.81	16.75	16.43	16.00	18.77	17.5	18.0
44115	Cleveland, OH	20.97	18.70	18.94	17.81	16.75	16.43	16.00	18.77	17.5	18.0

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
44116	Rocky River, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44117	Euclid, OH				14.98	14.29	13.37	12.56	16.31	14.3	14.3
44118	Cleveland, OH		14.53	15.41	14.79	14.25	13.64	12.56	16.31	14.5	14.5
44119	Cleveland, OH				14.98	14.29	13.37	12.56	16.31	14.3	14.3
44120	Cleveland, OH	21.29	16.06	17.57	15.90	15.12	14.80	14.35	18.06	16.0	16.6
44121	Cleveland, OH		14.53	15.41	14.79	14.25	13.64	12.56	16.31	14.5	14.5
44122	Beachwood, OH		14.53	15.41	14.60	14.21	13.91			14.5	14.5
44123	Euclid, OH				14.98	14.29	13.37	12.56	16.31	14.3	14.3
44125	Cleveland, OH	21.29	16.06	17.57	16.20	15.40	15.28	15.24	18.94	16.4	17.0
44126	Cleveland, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44127	Cleveland, OH	20.97	18.00	18.44	17.35	16.39	16.01	16.00	18.77	17.2	17.7
44128	Cleveland, OH		14.53	15.41	14.60	14.21	13.91			14.5	14.5
44129	Cleveland, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44130	Cleveland, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44131	Independence, OH	21.29	17.60	18.64	17.00	16.00	15.96	15.24	18.94	17.0	17.6
44134	Cleveland, OH	21.29	17.60	18.45	16.57	15.81	15.56	15.17	18.59	16.7	17.4
44135	Cleveland, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44136	Strongsville, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44137	Maple Heights, OH		14.53	15.41	14.60	14.21	13.91			14.5	14.5
44142	Brook Park, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44144	Cleveland, OH	20.97	18.70	18.96	17.89	16.87	16.45	16.17	18.64	17.5	18.1
44149	Strongsville, OH	17.57	15.59	15.00	14.78	15.05	13.93	13.19	16.81	14.8	15.2
44221	Cuyahoga Falls, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44223	Cuyahoga Falls, OH		16.53	16.34	15.89	16.76	14.17	13.85	15.74	15.5	15.6
44262	Munroe Falls, OH	17.99	17.97	16.60	17.61	16.72	15.41	15.02	16.42	16.3	16.7
44266	Ravenna, OH		15.02	15.74	15.24	14.57	12.65	12.50	15.03	14.3	14.4
44278	Tallmadge, OH	17.99	17.97	16.60	17.61	16.72	15.41	15.02	16.42	16.3	16.7
44301	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44302	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44303	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44304	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44305	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44306	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44307	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44308	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44310	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44311	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44312	Akron, OH	17.99	17.97	16.60	17.61	16.72	15.41	15.02	16.42	16.3	16.7
44313	Akron, OH		16.53	16.34	15.89	16.76	14.17	13.85	15.74	15.5	15.6
44314	Akron, OH		16.53	16.34	15.89	16.76	14.17	13.85	15.74	15.5	15.6
44320	Akron, OH		16.53	16.34	15.89	16.76	14.17	13.85	15.74	15.5	15.6
44325	Akron, OH	17.99	17.25	16.47	16.75	16.74	14.79	14.44	16.08	15.9	16.3
44405	Campbell, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44420	Girard, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44425	Hubbard, OH	17.98	16.94	15.97	16.41	14.75	14.41	14.16	16.44	15.4	15.9
44437	MC Donald, OH	18.63	16.68	15.72	16.15	14.95	14.01	13.78	16.41	15.2	15.8
44438	Masury, OH				15.07	14.02	13.77	13.37	14.09	14.1	14.1
44440	Mineral Ridge, OH	18.63	16.68	15.72	16.15	14.95	14.01	13.78	16.41	15.2	15.8
44446	Niles, OH	18.63	16.68	15.72	16.15	14.95	14.01	13.78	16.41	15.2	15.8
44471	Struthers, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44483	Warren, OH	18.63	16.68	15.72	16.15	14.95	14.01	13.78	16.41	15.2	15.8
44484	Warren, OH	18.63	16.68	15.72	16.15	14.95	14.01	13.78	16.41	15.2	15.8
44485	Warren, OH	18.63	16.68	15.72	16.15	14.95	14.01	13.78	16.41	15.2	15.8
44502	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44503	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44504	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44505	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44506	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44507	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44509	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
44510	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44511	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44512	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44555	Youngstown, OH	17.98	16.94	15.97	16.41	14.75	14.72	14.43	16.65	15.5	16.0
44702	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44703	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44704	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44705	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44706	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44707	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44708	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44709	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44710	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44714	Canton, OH	19.12	17.74	17.78	17.23	16.57	15.86	14.80	17.23	16.6	17.0
44718	Canton, OH	20.28	18.39	18.65	17.83	17.36	16.75	15.51	17.82	17.3	17.8
45005	Franklin, OH	18.96	18.82	16.96	16.11	16.17	15.02	14.13	17.23	15.9	16.7
45011	Hamilton, OH				15.87	15.34	15.83	14.65	17.88	15.9	15.9
45013	Hamilton, OH				15.87	15.34	15.83	14.65	17.88	15.9	15.9
45014	Fairfield, OH				15.87	15.34	15.83	14.65	17.88	15.9	15.9
45015	Hamilton, OH				15.87	15.34	15.83	14.65	17.88	15.9	15.9
45040	Mason, OH								16.61	16.6	16.6
45042	Middletown, OH	18.96	18.82	16.96	16.11	15.40	15.01	13.94	17.05	15.7	16.5
45044	Middletown, OH	18.96	18.82	16.96	16.11	15.40	15.01	13.94	17.05	15.7	16.5
45050	Monroe, OH	18.96	18.82	16.96	16.11	16.17	15.02	14.13	17.23	15.9	16.7
45069	West Chester, OH				16.07	15.42	15.67	14.92	16.75	15.8	15.8
45103	Batavia, OH								15.73	15.7	15.7
45160	Owensville, OH								15.73	15.7	15.7
45202	Cincinnati, OH	18.13	16.82	17.10	16.34	15.75	15.50	14.74	17.61	16.2	16.5
45203	Cincinnati, OH	18.13	16.59	17.07	16.27	15.70	15.42	14.64	17.46	16.1	16.4
45204	Cincinnati, OH	16.80	15.63	16.57	16.37	15.77	15.50	14.68	17.49	16.1	16.1
45205	Cincinnati, OH	16.80	15.63	16.57	16.37	15.77	15.50	14.68	17.49	16.1	16.1
45206	Cincinnati, OH	18.13	17.46	17.41	16.62	16.02	15.68	14.89	17.92	16.4	16.8
45207	Cincinnati, OH	19.46	17.92	17.57	16.77	16.16	15.88	15.09	18.26	16.6	17.1
45208	Cincinnati, OH	19.46	17.92	17.63	16.74	16.24	15.84	15.01	18.10	16.6	17.1
45209	Cincinnati, OH	19.46	18.79	18.12	17.07	16.60	16.44	15.57	18.91	17.1	17.6
45211	Cincinnati, OH				17.63	16.83	16.69	15.99	19.09	17.2	17.2
45212	Cincinnati, OH	19.46	18.79	17.96	16.88	16.30	16.21	15.38	18.91	16.9	17.5
45213	Cincinnati, OH	19.46	18.79	18.59	17.45	16.98	16.76	15.88	19.37	17.5	17.9
45214	Cincinnati, OH	18.13	17.32	17.39	16.50	15.91	15.85	15.07	18.17	16.5	16.8
45215	Cincinnati, OH	19.46	18.79	18.27	16.91	16.29	16.25	15.44	18.75	17.0	17.5
45216	Cincinnati, OH	19.46	18.79	17.96	16.88	16.30	16.21	15.38	18.91	16.9	17.5
45217	Cincinnati, OH	19.46	18.79	17.96	17.00	16.38	16.29	15.48	18.95	17.0	17.5
45218	Cincinnati, OH		20.05	18.28	16.85	16.11	16.02	15.06	18.81	16.9	17.3
45219	Cincinnati, OH	18.13	18.00	17.70	16.79	16.20	16.01	15.19	18.43	16.7	17.1
45220	Cincinnati, OH	18.13	18.00	17.70	16.79	16.20	16.01	15.19	18.43	16.7	17.1
45223	Cincinnati, OH	19.46	19.44	18.14	17.05	16.45	16.35	15.51	19.09	17.1	17.7
45224	Cincinnati, OH	19.46	19.44	18.14	16.90	16.35	16.27	15.39	19.09	17.0	17.6
45225	Cincinnati, OH	18.13	17.23	17.43	16.44	15.88	15.82	15.01	18.12	16.5	16.8
45226	Cincinnati, OH		16.40	16.54	16.03	15.44	14.98	14.24	16.91	15.7	15.8
45227	Cincinnati, OH		17.49	17.24	16.76	16.08	16.01	15.33	18.37	16.6	16.8
45229	Cincinnati, OH	18.13	18.00	17.70	16.79	16.20	16.01	15.19	18.43	16.7	17.1
45230	Cincinnati, OH		15.32	15.65	15.40	14.81	13.42	12.77	14.84	14.5	14.6
45231	Cincinnati, OH	19.46	19.44	18.61	17.23	16.66	16.52	15.65	19.87	17.4	17.9
45232	Cincinnati, OH	19.46	18.79	17.96	17.00	16.38	16.29	15.48	18.95	17.0	17.5
45236	Cincinnati, OH		17.49	17.24	16.76	16.08	16.01	15.33	17.49	16.5	16.6
45237	Cincinnati, OH	19.46	18.79	17.96	16.88	16.30	16.21	15.38	18.91	16.9	17.5
45238	Cincinnati, OH				17.63	16.83	16.69	15.99	19.09	17.2	17.2
45239	Cincinnati, OH			17.31	16.11	15.10	15.30	14.63		15.7	15.7
45240	Cincinnati, OH				15.87	15.34	15.83	14.65	17.88	15.9	15.9
45241	Cincinnati, OH				16.07	15.42	15.67	14.92	16.75	15.8	15.8

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
45242	Cincinnati, OH				16.07	15.42	15.67	14.92	16.75	15.8	15.8
45246	Cincinnati, OH				16.07	15.42	15.67	14.92	16.89	15.8	15.8
45249	Cincinnati, OH								16.61	16.6	16.6
45252	Cincinnati, OH				15.87	15.34	15.83	14.65	17.88	15.9	15.9
45321	Eldorado, OH				13.54	13.45	13.56	12.50	15.63	13.7	13.7
45323	Enon, OH	16.34	14.07					12.10	15.46	13.8	14.5
45347	New Paris, OH				13.54	13.45	13.56	12.50	15.63	13.7	13.7
45387	Yellow Springs, OH	16.34	14.07					12.10	15.46	13.8	14.5
45402	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45403	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45404	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45405	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45406	Dayton, OH	16.28	17.39	18.28		16.21	15.87	14.54	17.36	16.5	16.6
45409	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45410	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45414	Dayton, OH	16.28	17.39	18.28		16.21	15.87	14.54	17.36	16.5	16.6
45416	Dayton, OH	16.28	17.39	18.28						18.3	17.3
45417	Dayton, OH	16.28	17.39	18.28		16.21	15.87	14.54	17.36	16.5	16.6
45419	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45420	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45429	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45430	Dayton, OH		16.22	16.29	16.05	15.19	14.42	13.90	16.75	15.4	15.5
45431	Dayton, OH		16.22	16.29	16.05	15.19	14.42	13.90	16.75	15.4	15.5
45432	Dayton, OH		16.22	16.29	16.05	15.19	14.42	13.90	16.75	15.4	15.5
45439	Dayton, OH	16.28	17.39	18.28		16.21	15.87	14.54	17.36	16.5	16.6
45469	Dayton, OH	16.28	16.80	17.28	16.05	15.70	15.14	14.22	17.05	15.9	16.1
45502	Springfield, OH				14.81	15.10	14.12	13.45	16.66	14.8	14.8
45503	Springfield, OH				14.81	15.10	14.12	13.45	16.66	14.8	14.8
45504	Springfield, OH				14.81	15.10	14.12	13.45	16.66	14.8	14.8
45505	Springfield, OH				14.81	15.10	14.12	13.45	16.66	14.8	14.8
45506	Springfield, OH				14.81	15.10	14.12	13.45	16.66	14.8	14.8
45619	Chesapeake, OH		18.41	17.60	17.50	16.73	15.45	15.18	18.13	16.8	17.0
45638	Ironton, OH	19.17	20.10	17.35	17.67	15.48	14.25	13.71	16.97	15.9	16.8
45662	Portsmouth, OH	21.81	24.65	21.11	20.32	16.65	14.69	12.95	16.24	17.0	18.6
45680	South Point, OH		14.89	16.01	15.49	15.54	13.93	13.29	16.01	15.0	15.0
45711	Amesville, OH	11.53	13.94		12.41	12.70	12.32	11.43	13.27	12.4	12.5
45714	Belpre, OH	17.45	17.71	17.78	17.40	15.76	14.93	14.94	16.40	16.2	16.5
46011	Anderson, IN	15.52		15.65	14.63	14.87	14.35	12.73	16.06	14.7	14.8
46012	Anderson, IN	15.52		15.65	14.63	14.87	14.35	12.73	16.06	14.7	14.8
46013	Anderson, IN	15.52		15.65	14.63	14.87	14.35	12.73	16.06	14.7	14.8
46016	Anderson, IN	15.52		15.65	14.63	14.87	14.35	12.73	16.06	14.7	14.8
46017	Anderson, IN	15.52		15.65	14.63	14.87	14.35	12.73	16.06	14.7	14.8
46107	Beech Grove, IN	21.06	17.43	17.73	17.79	17.36	17.00	15.77	18.66	17.4	17.9
46113	Camby, IN	19.36	16.66	15.19	14.78	15.22	14.53	12.92	16.10	14.8	15.6
46201	Indianapolis, IN	21.06	17.43	17.73	17.49	17.16	16.63	15.41	18.10	17.1	17.6
46202	Indianapolis, IN	21.06	17.27	17.50	17.42	17.16	16.54	15.30	18.06	17.0	17.5
46203	Indianapolis, IN	21.06	17.43	17.73	17.49	17.16	16.63	15.41	18.10	17.1	17.6
46204	Indianapolis, IN	21.06	17.27	17.50	17.42	17.16	16.54	15.30	18.06	17.0	17.5
46205	Indianapolis, IN	21.49	17.30	17.38	17.42	17.21	16.43	15.32	17.76	16.9	17.5
46208	Indianapolis, IN	21.06	17.27	17.50	17.42	17.16	16.54	15.30	18.06	17.0	17.5
46214	Indianapolis, IN		16.79	16.80	17.17		16.19	14.86	17.90	16.6	16.6
46216	Indianapolis, IN			16.36	16.25	15.79	14.67	13.44	16.88	15.6	15.6
46217	Indianapolis, IN	19.99	17.17	16.81	16.23	16.12	15.88	14.30	17.60	16.2	16.8
46218	Indianapolis, IN	21.49	17.30	17.38	17.42	17.21	16.43	15.32	17.76	16.9	17.5
46219	Indianapolis, IN	21.49	17.30	17.38	17.42	17.21	16.43	15.32	17.76	16.9	17.5
46220	Indianapolis, IN			17.05	16.41	16.17	15.09	13.88	16.64	15.9	15.9
46221	Indianapolis, IN	19.99	17.17	16.81	16.23	16.12	15.88	14.30	17.60	16.2	16.8
46222	Indianapolis, IN	20.63	17.23	17.62	17.43	17.02	16.71	15.27	18.50	17.1	17.6
46224	Indianapolis, IN		16.79	16.80	17.17		16.19	14.86	17.90	16.6	16.6
46225	Indianapolis, IN	21.06	17.27	17.50	17.42	17.16	16.54	15.30	18.06	17.0	17.5

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
46226	Indianapolis, IN			17.05	16.41	16.17	15.09	13.88	16.64	15.9	15.9
46227	Indianapolis, IN	20.63	17.67	18.44	17.69	17.02	17.23	15.68	19.10	17.5	17.9
46228	Indianapolis, IN		16.79	16.80	17.17		16.19	14.86	17.90	16.6	16.6
46235	Indianapolis, IN			16.36	16.25	15.79	14.67	13.44	16.88	15.6	15.6
46236	Indianapolis, IN			16.36	16.25	15.79	14.67	13.44	16.88	15.6	15.6
46240	Indianapolis, IN			16.36	16.25	15.79	14.67	13.44	16.88	15.6	15.6
46241	Indianapolis, IN	19.36	16.73	15.99	15.97	15.22	15.36	13.89	17.00	15.6	16.2
46250	Indianapolis, IN			16.36	16.25	15.79	14.67	13.44	16.88	15.6	15.6
46254	Indianapolis, IN		16.79	16.80	17.17		16.19	14.86	17.90	16.6	16.6
46256	Indianapolis, IN			16.36	16.25	15.79	14.67	13.44	16.88	15.6	15.6
46304	Chesterton, IN			13.53	13.62	13.24	13.19	11.84	14.00	13.2	13.2
46312	East Chicago, IN	18.98	14.83	15.35	16.04	15.48	14.99	13.67	16.24	15.3	15.7
46319	Griffith, IN		14.66	14.78	15.93	15.55	15.04	13.88	16.34	15.3	15.2
46320	Hammond, IN	19.64	16.19	16.20	16.04	14.95	14.75	13.27	15.93	15.2	15.9
46321	Munster, IN			14.50	15.28	14.65	14.32	13.04	15.47	14.5	14.5
46322	Highland, IN		14.66	14.78	15.93	15.55	15.04	13.88	16.34	15.3	15.2
46323	Hammond, IN	18.31	14.83	15.02	15.97	15.42	14.95	13.74	16.23	15.2	15.6
46324	Hammond, IN	18.31	15.00	14.92	15.56	14.74	14.42	13.09	15.57	14.7	15.2
46327	Hammond, IN	19.64	16.19	16.20	16.04	14.95	14.75	13.27	15.93	15.2	15.9
46350	La Porte, IN			12.56	14.17	13.47	13.20	11.92	14.10	13.2	13.2
46360	Michigan City, IN			13.37	14.25	13.24	12.81	12.07	13.64	13.2	13.2
46368	Portage, IN	19.41	13.16	14.55	14.18	14.20	12.95	12.38	14.59	13.8	14.4
46375	Schererville, IN			14.04	15.18	14.60	14.10	12.82	15.51	14.4	14.4
46394	Whiting, IN	19.64	16.53	16.69	16.72	15.14	14.95	13.39	16.21	15.5	16.2
46402	Gary, IN	17.26	15.68	16.26	16.89	16.44	16.05	15.19	17.56	16.4	16.4
46403	Gary, IN	18.34	15.18	15.99	16.18	15.32	14.79	14.24	16.42	15.5	15.8
46404	Gary, IN	17.78	15.51	15.71	16.47	15.77	15.37	14.31	16.79	15.7	16.0
46405	Lake Station, IN	18.34	15.18	15.99	16.18	15.32	14.79	14.24	16.42	15.5	15.8
46406	Gary, IN	18.31	15.39	15.23	16.02	15.42	14.95	13.74	16.23	15.3	15.7
46407	Gary, IN	17.26	15.68	16.26	16.89	16.44	16.05	15.19	17.56	16.4	16.4
46408	Gary, IN		15.58	15.14	16.15	15.83	15.21	14.09	16.65	15.5	15.5
46409	Gary, IN	17.26	16.19	16.72	17.52	17.05	17.01	16.32	18.49	17.2	17.1
46514	Elkhart, IN			15.67	15.70	14.98	14.85	13.27		14.9	14.9
46516	Elkhart, IN			15.67	15.70	14.98	14.85	13.27		14.9	14.9
46517	Elkhart, IN			15.67	15.70	14.98	14.85	13.27		14.9	14.9
46544	Mishawaka, IN			13.98	14.36	14.33	13.84	12.43	14.83	14.0	14.0
46545	Mishawaka, IN			13.98	14.36	14.33	13.84	12.43	14.83	14.0	14.0
46556	Notre Dame, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46601	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46613	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46614	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46615	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46616	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46617	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46619	South Bend, IN	19.11		13.97	14.58	14.16	13.68	12.14	14.63	13.9	14.6
46628	South Bend, IN	19.11		13.97	14.58	14.16	13.68	12.14	14.63	13.9	14.6
46635	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46637	South Bend, IN	19.11		13.91	14.40	14.19	13.72	12.20	14.70	13.9	14.6
46802	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46803	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46805	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46806	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46807	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46808	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46809	Fort Wayne, IN			14.29	14.17	14.26	13.65	12.41	15.69	14.1	14.1
46815	Fort Wayne, IN	17.48	13.33	15.67	14.27	14.51	14.13	12.49	15.64	14.5	14.7
46816	Fort Wayne, IN	17.48	13.33	14.98	14.22	14.38	13.89	12.45	15.67	14.3	14.5
46819	Fort Wayne, IN			14.29	14.17	14.26	13.65	12.41	15.69	14.1	14.1
46825	Fort Wayne, IN	17.48	13.33	15.67	14.27	14.51	14.13	12.49	15.64	14.5	14.7
46835	Fort Wayne, IN	17.48	13.33	15.67	14.27	14.51	14.13	12.49	15.64	14.5	14.7

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe	
46901	Kokomo, IN			15.59	15.01	14.72	14.26	12.70	15.93	14.7	14.7	
46902	Kokomo, IN			15.59	15.01	14.72	14.26	12.70	15.93	14.7	14.7	
47119	Floyds Knobs, IN		14.82	16.19	15.74	14.61	14.45	13.72	16.87	15.3	15.2	
47129	Clarksville, IN	18.52	16.19	17.16	16.50	15.68	14.99	14.17	17.39	16.0	16.3	
47130	Jeffersonville, IN	18.52	16.87	17.65	16.88	16.22	15.53	14.39	17.65	16.4	16.7	
47150	New Albany, IN	17.33	16.13	16.75	17.24	15.89	15.24	14.14	16.79	16.0	16.2	
47302	Muncie, IN			16.24	14.49	14.51	14.03	12.26	16.36	14.6	14.6	
47303	Muncie, IN			16.24	14.49	14.51	14.03	12.26	16.36	14.6	14.6	
47304	Muncie, IN			16.24	14.49	14.51	14.03	12.26	16.36	14.6	14.6	
47305	Muncie, IN			16.24	14.49	14.51	14.03	12.26	16.36	14.6	14.6	
47306	Muncie, IN			16.24	14.49	14.51	14.03	12.26	16.36	14.6	14.6	
47356	Middletown, IN				13.87	13.39	14.20	13.96	12.62	15.66	14.0	14.0
47516	Bruceville, IN			13.87	13.39	14.20	13.96	12.62	15.66	14.0	14.0	
47523	Dale, IN					14.06	14.63	12.16	16.76	14.4	14.4	
47537	Gentryville, IN					14.06	14.63	12.16	16.76	14.4	14.4	
47546	Jasper, IN	20.52	19.38	17.16		16.34	15.72	14.42	16.92	16.1	17.2	
47552	Lincoln City, IN					14.06	14.63	12.16	16.76	14.4	14.4	
47579	Santa Claus, IN					14.06	14.63	12.16	16.76	14.4	14.4	
47591	Vincennes, IN			13.87	13.39	14.20	13.96	12.62	15.66	14.0	14.0	
47708	Evansville, IN	16.42	15.03	16.02	15.60	15.31	15.11	13.48	16.49	15.3	15.4	
47710	Evansville, IN	16.42	15.03	16.02	15.60	15.31	15.11	13.48	16.49	15.3	15.4	
47711	Evansville, IN	16.42	15.03	16.02	15.60	15.31	15.11	13.48	16.49	15.3	15.4	
47712	Evansville, IN	16.42	15.03	16.18	15.32	15.34	15.12	13.37	16.39	15.3	15.4	
47713	Evansville, IN	16.42	15.03	16.02	15.60	15.31	15.11	13.48	16.49	15.3	15.4	
47714	Evansville, IN	16.42	15.03	16.02	15.60	15.31	15.11	13.48	16.49	15.3	15.4	
47715	Evansville, IN	16.42	15.03	15.95	15.82	15.33	15.03	13.48	16.59	15.4	15.5	
47720	Evansville, IN	16.42	15.03	16.18	15.32	15.34	15.12	13.37	16.39	15.3	15.4	
47722	Evansville, IN	16.42	15.03	16.02	15.60	15.31	15.11	13.48	16.49	15.3	15.4	
47725	Evansville, IN			16.17	15.15	15.27	15.27	13.46	16.29	15.3	15.3	
47802	Terre Haute, IN	16.08	15.05	14.76	14.32	13.98	13.75	12.43	15.28	14.1	14.5	
47803	Terre Haute, IN	16.08	15.05	14.76	14.32	13.98	13.75	12.43	15.28	14.1	14.5	
47804	Terre Haute, IN	16.08	15.05	14.76	14.32	13.98	13.75	12.43	15.28	14.1	14.5	
47805	Terre Haute, IN	16.08	15.05	14.76	14.32	13.98	13.75	12.43	15.28	14.1	14.5	
47807	Terre Haute, IN	16.08	15.05	14.76	14.32	13.98	13.75	12.43	15.28	14.1	14.5	
47809	Terre Haute, IN	16.08	15.05	14.76	14.32	13.98	13.75	12.43	15.28	14.1	14.5	
47885	West Terre Haute, IN	16.08	15.05	15.72	15.18	14.55	14.11	12.72	15.44	14.6	14.9	
47901	Lafayette, IN			15.68	14.86		13.91	12.31	15.85	14.5	14.5	
47904	Lafayette, IN			15.68	14.86		13.91	12.31	15.85	14.5	14.5	
47905	Lafayette, IN			15.68	14.86		13.91	12.31	15.85	14.5	14.5	
47906	West Lafayette, IN			15.68	14.86					15.3	15.3	
47907	West Lafayette, IN			15.68	14.86		13.91	12.31	15.85	14.5	14.5	
47909	Lafayette, IN			15.68	14.86		13.91	12.31	15.85	14.5	14.5	
48009	Birmingham, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48015	Center Line, MI			14.50	15.64	14.63	13.23	16.48	14.9	14.9	14.9	
48017	Clawson, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48021	Eastpointe, MI			14.50	15.64	14.63	13.23	16.48	14.9	14.9	14.9	
48030	Hazel Park, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48040	Marysville, MI		13.22	14.35	13.76	13.90	14.18	12.10	15.09	13.9	13.8	
48047	New Baltimore, MI		12.72	13.42	13.60	13.35	12.81	11.96	14.37	13.3	13.2	
48048	New Haven, MI		12.72	13.42	13.60	13.35	12.81	11.96	14.37	13.3	13.2	
48050	New Haven, MI		12.72	13.42	13.60	13.35	12.81	11.96	14.37	13.3	13.2	
48051	New Baltimore, MI		12.72	13.42	13.60	13.35	12.81	11.96	14.37	13.3	13.2	
48060	Port Huron, MI		13.22	14.35	13.76	13.90	14.18	12.10	15.09	13.9	13.8	
48067	Royal Oak, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48069	Pleasant Ridge, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48070	Huntington Woods, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48072	Berkley, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48073	Royal Oak, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48075	Southfield, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	
48076	Southfield, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6	

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
48089	Warren, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48091	Warren, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48093	Warren, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48101	Allen Park, MI	20.00	19.28	17.88	18.43	17.86	17.18	15.51	17.26	17.4	17.9
48103	Ann Arbor, MI			13.20	13.51	13.57	13.06	10.67	13.20	12.9	12.9
48104	Ann Arbor, MI			13.20	13.51	13.57	13.06	10.67	13.20	12.9	12.9
48105	Ann Arbor, MI			13.20	13.51	13.57	13.06	10.67	13.20	12.9	12.9
48108	Ann Arbor, MI			13.20	13.51	13.57	13.06	10.67	13.20	12.9	12.9
48109	Ann Arbor, MI			13.20	13.51	13.57	13.06	10.67	13.20	12.9	12.9
48120	Dearborn, MI	20.00	19.01	17.95	18.38	17.72	17.00	15.47	17.24	17.3	17.8
48122	Melvindale, MI	20.00	19.01	17.95	18.38	17.72	17.00	15.47	17.24	17.3	17.8
48124	Dearborn, MI			15.62	17.25	15.89	15.25	14.19	15.97	15.7	15.7
48125	Dearborn Heights, MI			15.62	17.25	15.89	15.25	14.19	15.97	15.7	15.7
48126	Dearborn, MI	20.00	19.01	19.11	18.94	18.63	17.87	16.11	17.88	18.1	18.4
48133	Erie, MI			15.19	15.30	16.25	13.73	12.98	15.70	14.9	14.9
48138	Grosse Ile, MI			17.63	18.20	16.28	16.26	13.66	16.41	16.4	16.4
48146	Lincoln Park, MI	20.00	19.28	17.79	18.35	17.34	16.87	14.89	16.98	17.0	17.7
48150	Livonia, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48152	Livonia, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48154	Livonia, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48157	Luna Pier, MI			15.19	15.30	16.25	13.73	12.98	15.70	14.9	14.9
48167	Northville, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48168	Northville, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48170	Plymouth, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48180	Taylor, MI			15.62	17.25	15.89	15.25	14.19	15.97	15.7	15.7
48183	Trenton, MI			17.63	18.20	16.28	16.26	13.66	16.41	16.4	16.4
48192	Wyandotte, MI			16.63	17.72	16.09	15.75	13.92	16.19	16.1	16.1
48193	Riverview, MI			16.63	17.72	16.09	15.75	13.92	16.19	16.1	16.1
48195	Southgate, MI			16.63	17.72	16.09	15.75	13.92	16.19	16.1	16.1
48197	Ypsilanti, MI			14.26	14.38	14.76	14.53	12.71	15.64	14.4	14.4
48198	Ypsilanti, MI			14.26	14.38	14.76	14.53	12.71	15.64	14.4	14.4
48201	Detroit, MI		18.74	16.79	17.03	16.51	16.23	14.54	16.61	16.3	16.6
48202	Detroit, MI		18.74	16.79	17.03	16.51	16.23	14.54	16.61	16.3	16.6
48203	Highland Park, MI			15.49	15.79	15.59	15.83	13.69	16.01	15.4	15.4
48204	Detroit, MI	20.00	19.01	17.90	17.89	17.62	17.19	15.30	17.26	17.2	17.8
48205	Detroit, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48206	Detroit, MI	20.00	19.01	17.90	17.89	17.62	17.19	15.30	17.26	17.2	17.8
48207	Detroit, MI			15.49	15.15	15.62	15.23	13.46	16.24	15.2	15.2
48208	Detroit, MI	20.00	19.01	17.90	17.89	17.62	17.19	15.30	17.26	17.2	17.8
48209	Detroit, MI	20.00	19.01	17.90	17.89	17.62	17.19	15.30	17.26	17.2	17.8
48210	Detroit, MI	20.00	19.01	17.90	17.89	17.62	17.19	15.30	17.26	17.2	17.8
48211	Detroit, MI			15.49	15.15	15.62	15.23	13.46	16.24	15.2	15.2
48212	Hamtramck, MI			15.49	15.15	15.62	15.23	13.46	16.24	15.2	15.2
48213	Detroit, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48214	Detroit, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48215	Detroit, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48216	Detroit, MI	20.00	19.01	17.90	17.89	17.62	17.19	15.30	17.26	17.2	17.8
48217	Detroit, MI	20.00	19.01	17.87	18.33	17.36	16.81	15.02	17.04	17.1	17.7
48218	River Rouge, MI	20.00	19.01	17.87	18.33	17.36	16.81	15.02	17.04	17.1	17.7
48219	Detroit, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6
48220	Ferndale, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6
48221	Detroit, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6
48224	Detroit, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48225	Harper Woods, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48226	Detroit, MI		18.74	16.79	17.03	16.51	16.23	14.54	16.61	16.3	16.6
48227	Detroit, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6
48228	Detroit, MI	20.00	19.28	20.13	19.61	19.84	19.11	16.83	18.55	19.0	19.2
48229	Ecorse, MI	20.00	19.01	17.87	18.33	17.36	16.81	15.02	17.04	17.1	17.7
48230	Grosse Pointe, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9
48234	Detroit, MI				14.50	15.64	14.63	13.23	16.48	14.9	14.9

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
48235	Detroit, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6
48237	Oak Park, MI		14.16	15.39	14.73	15.00	14.58	12.76	15.46	14.7	14.6
48238	Detroit, MI		14.16	15.44	15.26	15.30	15.21	13.22	15.74	15.0	14.9
48335	Farmington, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48336	Farmington, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48375	Novi, MI	15.45	14.82	14.59	14.59	14.37	14.14	12.57	14.94	14.2	14.4
48458	Mount Morris, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48502	Flint, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48503	Flint, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48504	Flint, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48505	Flint, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48506	Flint, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48507	Flint, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48509	Burton, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48529	Burton, MI		12.02	12.95	13.12	12.54	12.02	10.49	12.89	12.3	12.3
48602	Saginaw, MI		10.22	10.23	11.50	10.79	10.62	9.51	11.72	10.7	10.7
48603	Saginaw, MI		10.22	10.23	11.50	10.79	10.62	9.51	11.72	10.7	10.7
48604	Saginaw, MI		10.22	10.23	11.50	10.79	10.62	9.51	11.72	10.7	10.7
48607	Saginaw, MI		10.22	10.23	11.50	10.79	10.62	9.51	11.72	10.7	10.7
48706	Bay City, MI				11.53	11.25	10.89	9.85	12.44	11.2	11.2
48708	Bay City, MI				11.53	11.25	10.89	9.85	12.44	11.2	11.2
48710	University Center, MI		10.22	10.23	11.50	10.79	10.62	9.51	11.72	10.7	10.7
48732	Essexville, MI				11.53	11.25	10.89	9.85	12.44	11.2	11.2
48823	East Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48824	East Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48825	East Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48906	Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48910	Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48911	Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48912	Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48915	Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
48933	Lansing, MI		12.68	13.01	13.89	13.56	12.96	11.06	13.54	13.0	13.0
49001	Kalamazoo, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49002	Portage, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49004	Kalamazoo, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49006	Kalamazoo, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49007	Kalamazoo, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49008	Kalamazoo, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49038	Coloma, MI		12.27	12.11	13.16	12.53	12.46	10.23	13.05	12.3	12.3
49048	Kalamazoo, MI		14.63	14.75	15.52	14.80	13.83	11.56	13.83	14.0	14.1
49098	Watervliet, MI		12.27	12.11	13.16	12.53	12.46	10.23	13.05	12.3	12.3
49321	Comstock Park, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49423	Holland, MI		12.15	11.73	12.82	12.42	12.39	11.21	12.39	12.2	12.2
49424	Holland, MI		12.15	11.73	12.82	12.42	12.39	11.21	12.39	12.2	12.2
49426	Hudsonville, MI		12.94	13.21	13.84	13.58	12.69	11.33	13.99	13.1	13.1
49428	Jenison, MI		12.94	13.21	13.84	13.58	12.69	11.33	13.99	13.1	13.1
49440	Muskegon, MI		12.24	11.85	12.57	12.36	11.87	10.16	13.07	12.0	12.0
49441	Muskegon, MI		12.24	11.85	12.57	12.36	11.87	10.16	13.07	12.0	12.0
49442	Muskegon, MI		12.24	11.85	12.57	12.36	11.87	10.16	13.07	12.0	12.0
49444	Muskegon, MI		12.24	11.85	12.57	12.36	11.87	10.16	13.07	12.0	12.0
49445	Muskegon, MI		12.24	11.85	12.57	12.36	11.87	10.16	13.07	12.0	12.0
49503	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49504	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49505	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49506	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49507	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49509	Wyoming, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49525	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49544	Grand Rapids, MI	15.81	13.86	13.86	14.50	13.38	13.53	12.04	13.69	13.5	13.8
49667	Merritt, MI						7.91	7.29	9.45	8.2	8.2

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level	
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe	
49684	Traverse City, MI				9.30	7.99					8.6	8.6
49686	Traverse City, MI				9.30	7.99					8.6	8.6
49696	Traverse City, MI				9.30	7.99					8.6	8.6
49707	Alpena, MI				9.86	9.06					9.5	9.5
49783	Sault Sainte Marie, MI				8.12	7.87	8.38	6.95	8.08		7.9	7.9
52722	Bettendorf, IA		16.45	13.58	12.79	11.82	12.74	10.37	13.83		12.5	13.1
52801	Davenport, IA		16.45	13.58	12.79	11.82	12.74	10.37	13.83		12.5	13.1
52803	Davenport, IA		16.45	13.58	12.79	11.82	12.74	10.37	13.83		12.5	13.1
52807	Davenport, IA		16.45	13.58	12.79	11.82	12.74	10.37	13.83		12.5	13.1
53004	Belgium, WI							9.18	12.29		10.7	10.7
53005	Brookfield, WI		13.86	12.34	13.13	12.65					12.7	13.0
53007	Butler, WI		13.86	12.02	12.58	12.28					12.3	12.7
53013	Cedar Grove, WI							9.18	12.29		10.7	10.7
53024	Grafton, WI			11.45	11.57	10.87					11.3	11.3
53035	Iron Ridge, WI		12.48	11.58	11.15	11.44	10.55	10.79	11.16		11.1	11.3
53045	Brookfield, WI	14.92	14.92	13.36	14.03	12.78	12.68	12.90	14.93		13.4	13.8
53050	Mayville, WI		12.48	11.58	11.15	11.44	10.55	10.79	11.16		11.1	11.3
53072	Pewaukee, WI	14.92	14.19	13.07	13.60	12.54	12.68	12.90	14.93		13.3	13.6
53074	Port Washington, WI			11.45	11.57	10.87					11.3	11.3
53080	Saukville, WI			11.45	11.57	10.87					11.3	11.3
53110	Cudahy, WI	15.16	14.95	13.80	13.80	13.18	12.53	11.66	14.38		13.2	13.7
53122	Elm Grove, WI		13.86	12.34	13.13	12.65					12.7	13.0
53129	Greendale, WI	15.16	14.95	13.80	13.80	13.18	12.53	11.66	14.38		13.2	13.7
53142	Kenosha, WI		12.35	11.38	12.70	11.58	10.76	10.51	12.50		11.6	11.7
53143	Kenosha, WI		12.35	11.38	12.70	11.58	10.76	10.51	12.50		11.6	11.7
53146	New Berlin, WI	14.92	14.19	13.07	13.60	12.54	12.68	12.90	14.93		13.3	13.6
53151	New Berlin, WI		13.86	12.34	13.13	12.65					12.7	13.0
53154	Oak Creek, WI	15.16	14.95	13.80	13.80	13.18	12.53	11.66	14.38		13.2	13.7
53158	Pleasant Prairie, WI		12.35	11.38	12.70	11.58	10.76	10.51	12.50		11.6	11.7
53172	South Milwaukee, WI	15.16	14.95	13.80	13.80	13.18	12.53	11.66	14.38		13.2	13.7
53186	Waukesha, WI	14.92	14.19	13.07	13.60	12.54	12.68	12.90	14.93		13.3	13.6
53188	Waukesha, WI	14.92	14.19	13.07	13.60	12.54	12.68	12.90	14.93		13.3	13.6
53189	Waukesha, WI	14.92	14.19	13.07	13.60	12.54	12.68	12.90	14.93		13.3	13.6
53202	Milwaukee, WI		14.62	13.51	13.78	12.83	12.46	11.64	14.29		13.1	13.3
53203	Milwaukee, WI	15.16	14.69	13.57	13.78	12.90	12.47	11.64	14.31		13.1	13.6
53204	Milwaukee, WI	15.16	14.69	13.57	13.78	12.90	12.47	11.64	14.31		13.1	13.6
53205	Milwaukee, WI		14.62	13.51	13.78	12.83	12.46	11.64	14.29		13.1	13.3
53206	Milwaukee, WI		14.62	13.15	13.43	12.64	12.46	11.64	14.29		12.9	13.2
53207	Milwaukee, WI	15.16	14.69	13.57	13.78	12.90	12.47	11.64	14.31		13.1	13.6
53208	Milwaukee, WI		14.47	13.01	13.38	12.65	12.46	11.64	14.29		12.9	13.1
53209	Milwaukee, WI		13.84	12.12	12.64	12.18	11.75	11.09	13.59		12.2	12.5
53210	Milwaukee, WI		14.47	13.01	13.38	12.65	12.46	11.64	14.29		12.9	13.1
53211	Milwaukee, WI		14.62	13.51	13.78	12.83	12.46	11.64	14.29		13.1	13.3
53212	Milwaukee, WI		14.62	13.51	13.78	12.83	12.46	11.64	14.29		13.1	13.3
53213	Milwaukee, WI		14.36	12.83	13.32	12.67	12.46	11.88	14.42		12.9	13.1
53214	Milwaukee, WI		14.18	12.49	13.10	12.52	12.49	12.04	14.44		12.8	13.0
53215	Milwaukee, WI	15.16	14.69	13.57	13.78	12.90	12.47	11.64	14.31		13.1	13.6
53216	Milwaukee, WI		14.23	12.77	13.31	12.63	12.22	11.61	14.15		12.8	13.0
53218	Milwaukee, WI			11.70	12.03	11.92					11.9	11.9
53219	Milwaukee, WI	15.16	14.69	13.53	13.75	12.94	12.65	11.78	14.49		13.2	13.6
53220	Milwaukee, WI	15.16	14.44	13.19	13.69	12.94	12.51	11.85	14.41		13.1	13.5
53221	Milwaukee, WI	15.16	14.95	13.82	13.89	12.96	12.73	11.81	14.52		13.3	13.7
53222	Milwaukee, WI		13.86	12.02	12.58	12.28					12.3	12.7
53223	Milwaukee, WI			11.70	12.03	11.92					11.9	11.9
53224	Milwaukee, WI			11.70	12.03	11.92					11.9	11.9
53225	Milwaukee, WI		13.86	12.02	12.58	12.28					12.3	12.7
53226	Milwaukee, WI		13.86	12.02	12.58	12.28					12.3	12.7
53227	Milwaukee, WI		13.86	12.34	13.13	12.65					12.7	13.0
53228	Milwaukee, WI		13.86	12.34	13.13	12.65					12.7	13.0
53233	Milwaukee, WI	15.16	14.69	13.57	13.78	12.90	12.47	11.64	14.31		13.1	13.6

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
53235	Milwaukee, WI	15.16	14.95	13.82	13.89	12.96	12.73	11.81	14.52	13.3	13.7
53511	Beloit, WI		14.34	13.30		11.80				12.6	13.1
53559	Marshall, WI		13.54	12.15	11.86	11.37				11.8	12.2
53561	Merrimac, WI							8.91	10.67	9.8	9.8
53562	Middleton, WI		13.43	12.75	13.31	12.31	11.86	11.27	12.73	12.4	12.5
53594	Waterloo, WI		13.54	12.15	11.86	11.37				11.8	12.2
53703	Madison, WI	13.01	13.26	12.56	12.86	12.24	11.86	11.27	12.73	12.3	12.5
53704	Madison, WI	13.01	13.10	12.37	12.42	12.16				12.3	12.6
53705	Madison, WI	13.01	13.26	12.56	12.86	12.24	11.86	11.27	12.73	12.3	12.5
53706	Madison, WI	13.01	13.26	12.56	12.86	12.24	11.86	11.27	12.73	12.3	12.5
53711	Madison, WI		13.43	12.75	13.31	12.31	11.86	11.27	12.73	12.4	12.5
53713	Madison, WI	13.01	13.26	12.56	12.86	12.24	11.86	11.27	12.73	12.3	12.5
53714	Madison, WI	13.01	13.10	12.37	12.42	12.16				12.3	12.6
53715	Madison, WI	13.01	13.26	12.56	12.86	12.24	11.86	11.27	12.73	12.3	12.5
53716	Madison, WI	13.01	13.10	12.37	12.42	12.16				12.3	12.6
53717	Madison, WI		13.43	12.75	13.31	12.31	11.86	11.27	12.73	12.4	12.5
53719	Madison, WI		13.43	12.75	13.31	12.31	11.86	11.27	12.73	12.4	12.5
53726	Madison, WI	13.01	13.26	12.56	12.86	12.24	11.86	11.27	12.73	12.3	12.5
53820	Potosi, WI		12.67	12.30	11.87	10.93	11.34	10.82	12.35	11.6	11.8
53913	Baraboo, WI							8.91	10.67	9.8	9.8
54025	Somerset, WI					10.70			10.02	10.4	10.4
54136	Kimberly, WI		11.23	11.54	11.06	10.75	10.39	9.68	11.50	10.8	10.9
54210	Ellison Bay, WI		8.60	7.20	8.25	7.48				7.6	7.9
54220	Manitowoc, WI		10.49	10.14	10.14	10.11	9.45	8.67	11.07	9.9	10.0
54229	New Franken, WI		10.55	10.31	10.79	10.30				10.5	10.5
54241	Two Rivers, WI		10.49	10.14	10.14	10.11	9.45	8.67	11.07	9.9	10.0
54301	Green Bay, WI		11.41	11.62	11.91	11.51	11.26	10.46	12.68	11.6	11.5
54302	Green Bay, WI		10.81	10.97	11.35	10.75	11.26	10.46	12.68	11.2	11.2
54303	Green Bay, WI		11.07	11.62	11.91	11.21	11.26	10.46	12.68	11.5	11.5
54304	Green Bay, WI		11.07	11.62	11.91	11.21	11.26	10.46	12.68	11.5	11.5
54311	Green Bay, WI		10.81	10.97	11.35	10.75	11.26	10.46	12.68	11.2	11.2
54447	Lublin, WI							7.16	8.50	7.8	7.8
54469	Port Edwards, WI		11.15	10.85	9.81	10.41				10.4	10.6
54494	Wisconsin Rapids, WI		11.15	10.85	9.81	10.41				10.4	10.6
54495	Wisconsin Rapids, WI		11.15	10.85	9.81	10.41				10.4	10.6
54512	Boulder Junction, WI	7.51	8.00	5.44	5.73	6.18	7.98	6.24	6.42	6.3	6.7
54520	Crandon, WI								7.74	7.7	7.7
54850	La Pointe, WI						6.62	5.34	6.19	6.1	6.1
54880	Superior, WI	8.33	8.64	8.01	8.15	7.81				8.0	8.2
54901	Oshkosh, WI		11.56	11.36	10.65	10.54				10.8	11.0
54902	Oshkosh, WI		11.56	11.36	10.65	10.54				10.8	11.0
54911	Appleton, WI		11.23	11.54	11.06	10.75	10.39	9.68	11.50	10.8	10.9
54913	Appleton, WI		11.23	11.54	11.06	10.75	10.39	9.68	11.50	10.8	10.9
54914	Appleton, WI		11.23	11.54	11.06	10.75	10.39	9.68	11.50	10.8	10.9
54915	Appleton, WI		11.23	11.54	11.06	10.75	10.39	9.68	11.50	10.8	10.9
54981	Waupaca, WI								11.61	11.6	11.6
55802	Duluth, MN	8.33	8.64	8.01	8.15	7.81				8.0	8.2
55805	Duluth, MN	8.33	8.64	8.01	8.15	7.81				8.0	8.2
55806	Duluth, MN	8.33	8.64	8.01	8.15	7.81				8.0	8.2
55812	Duluth, MN	8.33	8.64	8.01	8.15	7.81				8.0	8.2
60005	Arlington Heights, IL		15.13	15.30						15.3	15.2
60007	Elk Grove Village, IL		15.13	15.30						15.3	15.2
60012	Crystal Lake, IL			14.74	13.70	12.26	12.21	11.31	13.90	13.0	13.0
60013	Cary, IL			14.74	13.70	12.26	12.21	11.31	13.90	13.0	13.0
60014	Crystal Lake, IL			14.74	13.70	12.26	12.21	11.31	13.90	13.0	13.0
60015	Deerfield, IL	17.86	15.52	14.28	14.70	13.17	12.14	11.15	14.52	13.3	14.2
60016	Des Plaines, IL		15.13	15.30	14.82	14.44	13.19	14.19	15.72	14.6	14.7
60018	Des Plaines, IL		15.13	15.30	14.82	14.44	13.19	14.19	15.72	14.6	14.7
60021	Fox River Grove, IL			14.74	13.70	12.26	12.21	11.31	13.90	13.0	13.0
60022	Glencoe, IL	17.86	15.52	14.28	14.70	13.17	12.14	11.15	14.52	13.3	14.2

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
60025	Glenview, IL	17.86	15.52	14.28	14.76	13.80	12.66	11.76	14.21	13.6	14.4
60026	Glenview, IL	17.86	15.52	14.28	14.76	13.80	12.66	11.76	14.21	13.6	14.4
60029	Golf, IL	17.86	15.52	14.28	14.76	13.80	12.66	11.76	14.21	13.6	14.4
60035	Highland Park, IL	17.86	15.52	14.28	14.70	13.17	12.14	11.15	14.52	13.3	14.2
60037	Fort Sheridan, IL	17.86	15.52	14.28	14.70	13.17	12.14	11.15	14.52	13.3	14.2
60040	Highwood, IL	17.86	15.52	14.28	14.70	13.17	12.14	11.15	14.52	13.3	14.2
60042	Island Lake, IL			14.74	13.70	12.26	12.21	11.31	13.90	13.0	13.0
60053	Morton Grove, IL	19.44		18.33	17.10	15.47	14.52	13.82	15.43	15.8	16.3
60056	Mount Prospect, IL		15.13	15.30	14.82	14.44	13.19	12.37	13.90	14.0	14.2
60062	Northbrook, IL	17.86	15.52	14.28	14.76	13.80	12.66	11.76	14.21	13.6	14.4
60068	Park Ridge, IL		15.13	15.30	14.82	14.44	13.19	14.19	15.72	14.6	14.7
60070	Prospect Heights, IL		15.13	15.30	14.82	14.44	13.19	12.37	13.90	14.0	14.2
60076	Skokie, IL	19.44		18.33	19.39	16.51	15.85	15.27	16.97	17.1	17.4
60077	Skokie, IL	19.44		18.33	19.39	16.51	15.85	15.27	16.97	17.1	17.4
60087	Waukegan, IL			12.16	13.81	13.44	11.26	10.25	13.78	12.5	12.5
60093	Winnetka, IL	17.86	15.52	14.28	14.70	13.17	12.14	11.15	14.52	13.3	14.2
60096	Winthrop Harbor, IL		12.35	11.77	13.26	12.51	11.01	10.38	13.14	12.0	12.1
60099	Zion, IL		12.35	11.77	13.26	12.51	11.01	10.38	13.14	12.0	12.1
60102	Algonquin, IL			14.74	13.70	12.26	12.21	11.31	13.90	13.0	13.0
60104	Bellwood, IL							16.00	17.54	16.8	16.8
60106	Bensenville, IL		15.13	15.30				16.00	17.54	16.3	16.0
60110	Carpentersville, IL			14.52	15.04	14.24	13.33	11.44	15.64	14.0	14.0
60118	Dundee, IL			14.52	15.04	14.24	13.33	11.44	15.64	14.0	14.0
60120	Elgin, IL			14.52	15.04	14.24	13.33	11.44	15.64	14.0	14.0
60123	Elgin, IL			14.52	15.04	14.24	13.33	11.44	15.64	14.0	14.0
60130	Forest Park, IL	19.30	20.02	18.37	19.10	16.85	16.73	15.96	17.28	17.4	18.0
60131	Franklin Park, IL							16.00	17.54	16.8	16.8
60141	Hines, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60153	Maywood, IL	19.30	20.02	20.20	20.85	17.71	16.69	16.73	18.30	18.4	18.7
60154	Westchester, IL	19.30	20.02	20.20	20.85	17.71	16.69	16.73	18.30	18.4	18.7
60155	Broadview, IL	19.30	20.02	20.20	20.85	17.71	16.69	16.73	18.30	18.4	18.7
60160	Melrose Park, IL							16.00	17.54	16.8	16.8
60163	Berkeley, IL							16.00	17.54	16.8	16.8
60164	Melrose Park, IL							16.00	17.54	16.8	16.8
60165	Stone Park, IL							16.00	17.54	16.8	16.8
60171	River Grove, IL							16.00	17.54	16.8	16.8
60176	Schiller Park, IL		15.13	15.30				16.00	17.54	16.3	16.0
60177	South Elgin, IL			14.52	15.04	14.24	13.33	11.44	15.64	14.0	14.0
60301	Oak Park, IL		18.19	16.92	16.79	15.60	16.19	14.47	16.46	16.1	16.4
60302	Oak Park, IL		18.19	16.92	16.79	15.60	16.19	14.47	16.46	16.1	16.4
60304	Oak Park, IL	19.30	20.02	18.02	18.14	16.30	16.36	15.22	17.07	16.9	17.6
60305	River Forest, IL		18.19	16.54	17.34	15.99	16.77	15.19	16.25	16.3	16.6
60402	Berwyn, IL	18.60	19.18	17.88	18.23	16.61	16.36	15.39	17.16	16.9	17.4
60403	Crest Hill, IL	15.41	15.54	16.02	16.06	14.33	13.76		15.43	15.1	15.2
60406	Blue Island, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60407	Braceville, IL		13.92	14.21	12.92	13.47	11.88	10.26	13.21	12.7	12.8
60408	Braidwood, IL		13.92	14.21	12.92	13.47	11.88	10.26	13.21	12.7	12.8
60409	Calumet City, IL	20.31	17.38	16.42	16.01	14.96	14.80	13.30	15.99	15.2	16.1
60415	Chicago Ridge, IL	17.90	17.50	16.75	16.52	15.89	15.22	14.20	16.75	15.9	16.3
60426	Harvey, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60428	Markham, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60431	Joliet, IL	15.41	15.54	16.02	16.06	14.33	13.76		15.43	15.1	15.2
60432	Joliet, IL	15.41	15.54	16.02	16.06	14.33	13.76		15.43	15.1	15.2
60433	Joliet, IL	15.41	15.54	16.02	16.06	14.33	13.76		15.43	15.1	15.2
60435	Joliet, IL	15.41	15.54	16.02	16.06	14.33	13.76		15.43	15.1	15.2
60436	Joliet, IL	15.41	15.54	16.02	16.06	14.33	13.76		15.43	15.1	15.2
60438	Lansing, IL			14.96	15.38	14.70	14.55	13.26	15.44	14.7	14.7
60445	Midlothian, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60452	Oak Forest, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60453	Oak Lawn, IL	19.32	17.42	16.71	16.82	15.42	14.88	14.14	16.47	15.7	16.4

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
60455	Bridgeview, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60456	Hometown, IL	18.61	17.46	16.78	16.71	15.66	15.12	14.17	16.63	15.8	16.4
60457	Hickory Hills, IL	18.60	19.67	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.7
60458	Justice, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60459	Burbank, IL	18.60	19.67	17.90	17.96	16.50	15.71	15.04	17.27	16.7	17.3
60469	Posen, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60472	Robbins, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60480	Willow Springs, IL	18.60	19.67	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.7
60501	Summit Argo, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60502	Aurora, IL								15.89	15.9	15.9
60505	Aurora, IL								15.89	15.9	15.9
60506	Aurora, IL								15.89	15.9	15.9
60510	Batavia, IL								15.89	15.9	15.9
60513	Brookfield, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60525	La Grange, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60526	La Grange Park, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60532	Lisle, IL		15.54	15.25	15.54	14.68	13.11	12.69	15.62	14.5	14.6
60534	Lyons, IL	18.60	19.18	18.55	18.68	16.92	16.15	15.48	17.62	17.2	17.6
60538	Montgomery, IL								15.89	15.9	15.9
60539	Mooseheart, IL								15.89	15.9	15.9
60540	Naperville, IL		15.54	15.25	15.54	14.68	13.11	12.69	15.62	14.5	14.6
60542	North Aurora, IL								15.89	15.9	15.9
60546	Riverside, IL	18.60	19.18	17.88	18.23	16.61	16.36	15.39	17.16	16.9	17.4
60555	Warrenville, IL		15.54	15.25	15.54	14.68	13.11	12.69	15.62	14.5	14.6
60558	Western Springs, IL	19.30	20.02	20.20	20.85	17.71	16.69	16.73	18.30	18.4	18.7
60563	Naperville, IL		15.54	15.25	15.54	14.68	13.11	12.69	15.62	14.5	14.6
60564	Naperville, IL		15.54	15.25	15.54	14.68	13.11	12.69	15.62	14.5	14.6
60565	Naperville, IL		15.54	15.25	15.54	14.68	13.11	12.69	15.62	14.5	14.6
60601	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60602	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60603	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60604	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60605	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60606	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60607	Chicago, IL		18.04	16.62	16.67	15.35	15.35	13.48	16.66	15.7	16.0
60608	Chicago, IL		18.04	16.59	16.89	15.56	15.82	14.05	16.46	15.9	16.2
60609	Chicago, IL		18.04	16.27	16.81	15.58	14.96	13.68	16.56	15.6	16.0
60610	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60611	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60612	Chicago, IL		18.04	16.59	16.89	15.56	15.82	14.05	16.46	15.9	16.2
60613	Chicago, IL			17.31	16.24	15.21	15.61	13.75	16.66	15.8	15.8
60614	Chicago, IL			17.31	16.24	15.21	15.61	13.75	16.66	15.8	15.8
60615	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60616	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60617	Chicago, IL	20.31	17.30	17.16	16.93	15.22	15.06	13.46	16.36	15.7	16.5
60618	Chicago, IL	19.44		17.82	17.81	15.86	15.73	14.51	16.81	16.4	16.9
60619	Chicago, IL		17.21	16.46	18.12	15.47	15.36	13.76	16.56	16.0	16.1
60620	Chicago, IL			16.61	16.53	15.66	14.84	14.15	16.56	15.7	15.7
60621	Chicago, IL		18.04	16.27	16.81	15.58	14.96	13.68	16.56	15.6	16.0
60622	Chicago, IL			16.92	16.79	15.60	16.19	14.47	16.46	16.1	16.1
60623	Chicago, IL			16.92	16.79	15.60	16.19	14.47	16.46	16.1	16.1
60624	Chicago, IL			16.92	16.79	15.60	16.19	14.47	16.46	16.1	16.1
60625	Chicago, IL	19.44		17.82	17.81	15.86	15.73	14.51	16.81	16.4	16.9
60628	Chicago, IL	20.14	17.34	17.05	17.45	15.32	15.28	14.01	16.63	16.0	16.7
60629	Chicago, IL			16.61	16.53	15.66	14.84	14.15	16.56	15.7	15.7
60630	Chicago, IL	19.44		17.82	17.81	15.86	15.73	14.51	16.81	16.4	16.9
60631	Chicago, IL	19.44		18.33	17.10	15.47	14.52	14.55	16.14	16.0	16.5
60632	Chicago, IL			16.57	16.94	15.83	15.81	14.67	16.41	16.0	16.0
60633	Chicago, IL	20.31	17.30	17.16	16.93	15.22	15.06	13.46	16.36	15.7	16.5
60634	Chicago, IL	19.44		17.82	17.81	15.86	15.73	15.01	17.05	16.5	17.0

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ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level	Area-level
										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
60636	Chicago, IL		18.04	16.27	16.81	15.58	14.96	13.68	16.56	15.6	16.0
60637	Chicago, IL		17.62	16.19	17.61	15.48	15.22	13.48	16.56	15.8	16.0
60638	Chicago, IL	18.60	19.18	17.56	17.81	16.37	15.98	15.08	17.01	16.6	17.2
60639	Chicago, IL	19.44		17.39	17.66	15.90	16.08	14.74	16.63	16.4	16.8
60640	Chicago, IL			17.31	16.24	15.21	15.61	13.75	16.66	15.8	15.8
60641	Chicago, IL	19.44		17.39	17.66	15.90	16.08	14.74	16.63	16.4	16.8
60642	Chicago, IL		18.04	16.62	16.67	15.35	15.35	13.48	16.66	15.7	16.0
60643	Chicago, IL	19.32	17.42	16.71	16.82	15.42	14.88	14.14	16.47	15.7	16.4
60644	Chicago, IL	19.44		17.39	17.66	15.90	16.08	14.74	16.63	16.4	16.8
60645	Chicago, IL	19.44		18.33	19.39	16.51	15.85	15.27	16.97	17.1	17.4
60646	Chicago, IL	19.44		18.33	19.39	16.51	15.85	15.27	16.97	17.1	17.4
60647	Chicago, IL	19.44		17.39	17.66	15.90	16.08	14.74	16.63	16.4	16.8
60649	Chicago, IL	20.96	17.30	17.16	17.61	15.39	15.47	13.96	16.75	16.1	16.8
60651	Chicago, IL	19.44		17.39	17.66	15.90	16.08	14.74	16.63	16.4	16.8
60652	Chicago, IL	19.32	17.42	16.71	16.82	15.42	14.88	14.14	16.47	15.7	16.4
60653	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60654	Chicago, IL		18.04	15.93	17.10	15.50	15.09	13.21		15.4	15.8
60655	Chicago, IL	19.32	17.42	16.71	16.82	15.42	14.88	14.14	16.47	15.7	16.4
60656	Chicago, IL	19.44		18.33	19.39	16.51	15.85	15.63	17.25	17.2	17.5
60657	Chicago, IL			17.31	16.24	15.21	15.61	13.75	16.66	15.8	15.8
60659	Chicago, IL	19.44		17.82	17.81	15.86	15.73	14.51	16.81	16.4	16.9
60661	Chicago, IL		18.04	16.62	16.67	15.35	15.35	13.48	16.66	15.7	16.0
60666	Chicago, IL		15.13	15.30				16.00	17.54	16.3	16.0
60706	Harwood Heights, IL	19.44		18.33	19.39	16.51	15.85	15.63	17.25	17.2	17.5
60707	Elmwood Park, IL	19.44		17.39	17.66	15.90	16.08	15.05	16.85	16.5	16.9
60712	Lincolnwood, IL	19.44		18.33	19.39	16.51	15.85	15.27	16.97	17.1	17.4
60714	Niles, IL				14.82	14.44	13.19	12.37	13.90	13.7	13.7
60803	Alsip, IL	19.32	17.42	16.71	16.82	15.42	14.88	14.14	16.47	15.7	16.4
60804	Cicero, IL	18.60	19.18	17.74	17.73	16.26	16.17	14.98	17.04	16.7	17.2
60805	Evergreen Park, IL	19.32	17.42	16.71	16.82	15.42	14.88	14.14	16.47	15.7	16.4
60827	Riverdale, IL	19.32	17.42	16.82	17.11	15.18	14.92	14.12	16.39	15.8	16.4
60935	Essex, IL		13.92	14.21	12.92	13.47	11.88	10.26	13.21	12.7	12.8
61072	Rockton, IL		14.34	13.30		11.80				12.6	13.1
61073	Roscoe, IL		14.34	13.30						13.3	13.8
61080	South Beloit, IL		14.34	13.30		11.80				12.6	13.1
61101	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61102	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61103	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61104	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61107	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61108	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61109	Rockford, IL			14.99		14.74	12.19	11.68	15.95	13.9	13.9
61201	Rock Island, IL		16.45	13.58	12.79	11.82	12.74	10.37	13.83	12.5	13.1
61244	East Moline, IL		16.45	13.58	12.79	11.82	12.74	10.37	13.83	12.5	13.1
61265	Moline, IL		16.45	13.58	12.79	11.82	12.74	10.37	13.83	12.5	13.1
61301	La Salle, IL	16.46	16.04	15.24	14.45	14.77	13.05	11.38	14.03	13.8	14.4
61348	Oglesby, IL	16.46	16.04	15.24	14.45	14.77	13.05	11.38	14.03	13.8	14.4
61370	Tonica, IL	16.46	16.04	15.24	14.45	14.77	13.05	11.38	14.03	13.8	14.4
61602	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61603	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61604	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61605	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61606	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61610	Creve Coeur, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61611	East Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61614	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61616	Peoria Heights, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61625	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61635	Peoria, IL	15.25	16.04	14.85	13.94	13.88	13.67	12.84	14.50	13.9	14.4
61701	Bloomington, IL			14.86	14.79	12.85	13.15	11.46	13.41	13.4	13.4

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										6-year means (2000- 2005) - i.e., original study timeframe	8-year means (1998- 2005) - i.e., extended study timeframe
61704	Bloomington, IL			14.86	14.79	12.85	13.15	11.46	13.41	13.4	13.4
61705	Bloomington, IL			14.86	14.79	12.85	13.15	11.46		13.4	13.4
61761	Normal, IL			14.86	14.79	12.85	13.15	11.46	13.41	13.4	13.4
61790	Normal, IL			14.86	14.79	12.85	13.15	11.46	13.41	13.4	13.4
61801	Urbana, IL			14.82	12.59	12.20	13.03	10.42	13.96	12.8	12.8
61802	Urbana, IL			14.82	12.59	12.20	13.03	10.42	13.96	12.8	12.8
61820	Champaign, IL			14.82	12.59	12.20	13.03	10.42	13.96	12.8	12.8
61821	Champaign, IL			14.82	12.59	12.20	13.03	10.42	13.96	12.8	12.8
61822	Champaign, IL			14.82	12.59	12.20	13.03	10.42	13.96	12.8	12.8
61874	Savoy, IL			14.82	12.59	12.20	13.03	10.42	13.96	12.8	12.8
61875	Seymour, IL			14.53	11.94	12.21	12.82	10.62	14.44	12.8	12.8
62002	Alton, IL	17.18	15.72	15.96	15.37	14.91	14.01	12.36	16.02	14.8	15.2
62010	Bethalto, IL	17.18	15.72	15.91	14.95	15.12	13.98	13.20	16.02	14.9	15.3
62018	Cottage Hills, IL	17.18	15.72	15.96	15.37	14.91	14.01	12.36	16.02	14.8	15.2
62024	East Alton, IL	17.18	15.72	15.96	15.37	14.91	14.01	12.36	16.02	14.8	15.2
62035	Godfrey, IL			16.01	15.80	14.70	14.03	11.51	16.02	14.7	14.7
62040	Granite City, IL	18.11	18.89	18.99	18.52	18.63	17.79	15.77	18.52	18.0	18.2
62048	Hartford, IL	17.18	15.72	15.91	14.95	15.12	13.98	13.20	16.02	14.9	15.3
62052	Jerseyville, IL							11.45	14.80	13.1	13.1
62054	Kane, IL							11.45	14.80	13.1	13.1
62060	Madison, IL	18.62	18.55	18.47	18.01	17.97	16.81	15.41	18.06	17.5	17.7
62084	Roxana, IL	17.18	15.72	15.91	14.95	15.12	13.98	13.20	16.02	14.9	15.3
62087	South Roxana, IL	17.18	15.72	15.91	14.95	15.12	13.98	13.20	16.02	14.9	15.3
62090	Venice, IL	18.62	18.55	18.47	18.01	17.97	16.81	15.41	18.06	17.5	17.7
62095	Wood River, IL	17.18	15.72	15.96	15.37	14.91	14.01	12.36	16.02	14.8	15.2
62201	East Saint Louis, IL	18.62	18.55	18.47	18.01	17.97	16.81	15.41	18.06	17.5	17.7
62204	East Saint Louis, IL	18.62	18.55	18.47	18.01	17.97	16.81	15.41	18.06	17.5	17.7
62205	East Saint Louis, IL	18.62	19.24	19.03	18.37	18.10	16.46	15.42	18.01	17.6	17.9
62206	East Saint Louis, IL	19.13	17.86	17.42	17.00	16.65	14.85	14.70	17.14	16.3	16.8
62207	East Saint Louis, IL	19.13	17.86	17.42	17.00	16.65	14.85	14.70	17.14	16.3	16.8
62208	Fairview Heights, IL			15.01	15.47	15.08	14.26	13.23	15.98	14.8	14.8
62217	Baldwin, IL		14.46	15.17	12.09	11.56	13.44	10.88	15.25	13.1	13.3
62220	Belleville, IL			15.01	15.47	15.08	14.26	13.23	15.98	14.8	14.8
62221	Belleville, IL			15.01	15.47	15.08	14.26	13.23	15.98	14.8	14.8
62223	Belleville, IL			15.01	15.47	15.08	14.26	13.23	15.98	14.8	14.8
62226	Belleville, IL			15.01	15.47	15.08	14.26	13.23	15.98	14.8	14.8
62301	Quincy, IL			13.06	12.23	13.71	13.34	10.63	14.66	12.9	12.9
62305	Quincy, IL			13.06	12.23	13.71	13.34	10.63	14.66	12.9	12.9
62521	Decatur, IL			15.04	14.27	14.10	13.56	11.85	14.53	13.9	13.9
62522	Decatur, IL			15.04	14.27	14.10	13.56	11.85	14.53	13.9	13.9
62523	Decatur, IL			15.04	14.27	14.10	13.56	11.85	14.53	13.9	13.9
62526	Decatur, IL			15.04	14.27	14.10	13.56	11.85	14.53	13.9	13.9
62535	Forsyth, IL			15.04	14.27	14.10	13.56	11.85	14.53	13.9	13.9
62640	Girard, IL		15.97								16.0
62672	Nilwood, IL		15.97								16.0
62684	Sherman, IL	16.71	15.88	13.36	13.25	13.55	12.99	11.78	15.12	13.3	14.1
62701	Springfield, IL	16.71	15.88	13.36	13.25	13.55	12.99	11.78	15.12	13.3	14.1
62702	Springfield, IL	16.71	15.88	13.36	13.25	13.55	12.99	11.78	15.12	13.3	14.1
62703	Springfield, IL	16.71	15.88	13.36	13.25	13.55	12.99	11.78	15.12	13.3	14.1
62704	Springfield, IL	16.71	15.88	13.36	13.25	13.55	12.99	11.78	15.12	13.3	14.1
62707	Springfield, IL	16.71	15.88	13.36	13.25	13.55	12.99	11.78	15.12	13.3	14.1
62910	Brookport, IL	15.07	15.65	15.53	14.11	12.61	13.75	11.77	14.03	13.6	14.1
63101	Saint Louis, MO	18.62	19.24	19.03	18.37	18.10	16.46	15.42	18.01	17.6	17.9
63102	Saint Louis, MO	18.62	19.24	19.03	18.37	18.10	16.46	15.42	18.01	17.6	17.9
63103	Saint Louis, MO	19.13	17.86	17.42	17.00	16.65	14.85	14.70	17.14	16.3	16.8
63104	Saint Louis, MO	19.13	17.86	17.42	17.00	16.65	14.85	14.70	17.14	16.3	16.8
63106	Saint Louis, MO	18.62	19.24	19.03	18.37	18.10	16.46	15.42	18.01	17.6	17.9
63107	Saint Louis, MO	18.62	18.55	18.47	18.01	17.97	16.81	15.41	18.06	17.5	17.7
63118	Saint Louis, MO	19.13	17.86	17.42	17.00	16.65	14.85	14.70	17.14	16.3	16.8
63137	Saint Louis, MO	18.11	20.62	20.64	19.74	19.56	18.08	16.15	18.89	18.8	19.0

Attachment C: EPA-derived Results for the Zeger et. al. Eastern Region U.S. Study Area

ZIP Code	Zip Code Primary City	PM2.5 annual mean for 1998	PM2.5 annual mean for 1999	PM2.5 annual mean for 2000	PM2.5 annual mean for 2001	PM2.5 annual mean for 2002	PM2.5 annual mean for 2003	PM2.5 annual mean for 2004	PM2.5 annual mean for 2005	Area-level 6-year means (2000- 2005) - i.e., original study timeframe	Area-level 8-year means (1998- 2005) - i.e., extended study timeframe
63147	Saint Louis, MO	18.11	18.89	18.99	18.52	18.63	17.79	15.77	18.52	18.0	18.2
71373	Vidalia, LA			13.15	11.14	10.66	11.36	10.73	12.30	11.6	11.6
Study-area 6-year and 8-year averages →										13.7	13.9
Study-area 6-year and 8-year medians →										14.0	14.2