

## Annual PM2.5 Values Averaged over 3 Years

Updated 8/15/2022  
Concentrations in ug/m3

AIRS ID Site	260050003 Holland		260170014 Bay City		260210014 Coloma		260490021 Flint		260650012 Lansing		260650018 Lansing Filley St.	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
	<b>2005</b>	12.39	12.0	12.44	11.1	13.05	11.9	12.89	11.8	13.53	12.5	
<b>2006</b>	11.48	11.7	10.16	10.8	10.95	11.4	10.92	11.4	11.47	12.0		
<b>2007</b>	11.69	11.9	10.17	10.9	11.53	11.8	11.07	11.6	11.48	12.2		
<b>2008</b>	9.68	10.9	8.89	9.7	9.78	10.8	9.77	10.6	9.85	10.9		
<b>2009</b>	8.57	10.0	8.19	9.1	9.04	10.1	8.73	9.9	9.06	10.1		
<b>2010</b>	8.50	8.9	8.16	8.4	8.74	9.2	8.88	9.1	8.98	9.3		
<b>2011</b>	8.44	8.5	7.67	8.2	8.71	9.1	8.45	8.7	8.65	8.9		
<b>2012</b>	8.52	8.5	7.72	7.9	8.70	8.8	7.98	8.4	8.65	8.8		
<b>2013</b>	7.82	8.3	7.47	7.6	7.97	8.5	7.44	8.0	7.58	8.3		
<b>2014</b>	8.68	8.3	8.17	7.8	8.49	8.4	8.92	8.1	9.38	8.5		
<b>2015</b>	7.87	8.1	7.73	7.8	8.49	8.3	8.15	8.2	8.56	8.5		
<b>2016</b>	6.99	7.8	6.84	7.6	7.35	8.1	7.18	8.1	7.31	8.4		
<b>2017</b>	7.49	7.4	6.75	7.1	7.99	7.9	7.10	7.5	7.23	7.7		
<b>2018</b>	7.61	7.4	7.15	6.9			7.40	7.2	7.62	7.4	7.82	
<b>2019</b>	7.15	7.4	6.78	6.9			7.20	7.2			7.27	
<b>2020</b>	5.96	6.9	4.75	6.2			6.01	6.9			7.06	7.4
<b>2021</b>	7.03	6.7	6.14	5.9			7.28	6.8			9.59	8.0

AIRS ID Site	260770008 Kalamazoo		260810020 Grand Rapids		260910007 Tecumseh		260990009 New Haven		261010922 Manistee		261130001 Houghton Lake	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
	<b>2005</b>	13.83	13.0	13.72	13.1			14.38	13.1			9.38
<b>2006</b>	12.57	12.6	12.62	12.8			11.28	12.5	9.12		7.77	8.1
<b>2007</b>	12.62	13.0	12.25	12.9			11.94	12.5	8.54		7.88	8.3
<b>2008</b>	11.19	12.1	10.67	11.8	7.28		10.66	11.3	7.62	8.4	6.48	7.4
<b>2009</b>	10.02	11.3	9.42	10.8	9.74		9.49	10.7	6.14	7.4	5.91	6.8
<b>2010</b>	9.31	10.2	9.62	9.9	8.91	8.6	8.92	9.7	6.61	6.8	5.94	6.1
<b>2011</b>	9.02	9.4	9.47	9.5	9.57	9.4	8.61	9.0	6.39	6.4	6.16	6.0
<b>2012</b>	9.52	9.3	9.32	9.5	9.00	9.2	8.74	8.8	7.16	6.7	5.92	6.0
<b>2013</b>	8.27	8.9	8.37	9.1	7.93	8.8	8.14	8.5	6.45	6.7	5.48	5.9
<b>2014</b>	9.64	9.1	9.48	9.1	8.78	8.6	9.15	8.7	6.16	6.6	5.61	5.7
<b>2015</b>	9.64	9.2	9.30	9.1	8.57	8.4	9.72	9.0	6.36	6.3	5.59	5.6
<b>2016</b>	8.09	9.1	8.16	9.0	7.46	8.3	7.51	8.8	5.50	6.0	4.87	5.4
<b>2017</b>	8.03	8.6	8.12	8.5	7.34	7.8	7.40	8.2	5.84	5.9	4.81	5.1
<b>2018</b>	8.47	8.2	8.25	8.2	7.96	7.6	7.82	7.6	6.13	5.8	5.42	5.0
<b>2019</b>	7.35	8.0	8.20	8.2	8.5	7.9	7.30	7.5	4.93	5.6	5.80	5.3
<b>2020</b>	7.70	7.8	7.73	8.1	8.19	8.2	6.00	7.0	5.10	5.4	8.04	6.4
<b>2021</b>	10.57	8.5	10.45	8.7	8.48	8.4	9.71	7.7	5.03	5.0	8.99	7.6

## Annual PM2.5 Values Averaged over 3 Years, Cont.

AIRS ID Site	261250001 Oak Park		261390005 Jenison		261470005 Port Huron		261630025 Livonia		261610008 Ypsilanti		261630001 Allen Park	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
	<b>2005</b>	15.47	14.3	13.99	12.7	15.09	13.8	14.93	13.9	15.61	14.4	15.94
<b>2006</b>	12.11	13.4	12.02	12.4	12.04	13.1	11.86	13.1	12.55	13.7	13.18	14.5
<b>2007</b>	13.33	13.6	11.68	12.6	12.44	13.2	12.75	13.2	12.98	13.7	12.76	14.0
<b>2008</b>	10.86	12.1	10.82	11.5	11.08	11.9	11.01	11.9	10.91	12.1	11.83	12.6
<b>2009</b>	10.03	11.4	9.19	10.6	9.74	11.1	9.88	11.2	9.94	11.3	11.06	11.9
<b>2010</b>	9.12	10.0	9.15	9.7	8.94	9.9	9.10	10.0	9.24	10.0	10.23	11.0
<b>2011</b>	9.14	9.4	9.13	9.2	9.14	9.3	9.47	9.5	9.74	9.6	10.47	10.6
<b>2012</b>	9.51	9.3	8.98	9.1	9.37	9.2	9.62	9.4	9.20	9.4	10.07	10.3
<b>2013</b>	8.37	9.0	8.09	8.7	8.44	9.0	8.66	9.3	8.64	9.2	9.48	10.0
<b>2014</b>	9.33	9.1	--		9.39	9.1	9.45	9.2	9.79	9.2	10.12	9.9
<b>2015</b>	9.37	9.0	--		9.50	9.1	9.31	9.1	9.59	9.3	9.66	9.8
<b>2016</b>	7.84	8.8	--		7.77	8.9	8.16	9.0	7.84	9.1	8.72	9.5
<b>2017</b>	8.11	8.4	--		8.01	8.4	7.98	8.5	7.97	8.5	8.47	8.9
<b>2018</b>	8.27	8.1	8.32		8.09	8.0	7.45	7.9	8.35	8.1	9.11	8.8
<b>2019</b>	7.74	8.0	8.30		7.64	7.9	7.45	7.6	8.33	8.2	8.69	8.8
<b>2020</b>	7.42	7.8	7.39	8.0	6.75	7.5			7.17	7.9	7.46	8.4
<b>2021</b>	8.20	7.8	10.12	8.6	9.31	7.9			8.86	8.5	10.65	8.9

AIRS ID Site	261630015 Detroit-SW		261630016 Linwood		261630019 Detroit-E 7 Mile		261630033 Dearborn		261630036 Wyandotte		261630039 FIA/Lafayette	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
	<b>2005</b>	17.21	16.4	16.01	15.2	16.48	14.8	18.55	18.2	16.42	15.5	
<b>2006</b>	14.68	15.8	13.04	14.2	12.71	14.1	16.13	17.2	12.92	14.3	13.13	
<b>2007</b>	14.54	15.5	13.86	14.3	13.01	14.1	16.89	17.2	13.45	14.3	13.83	
<b>2008</b>	12.85	14.0	11.94	12.9	11.33	12.3	13.34	15.4	10.94	12.4	12.23	13.1
<b>2009</b>	11.12	12.8	10.36	12.1	10.54	11.6	12.07	14.1	10.36	11.6	10.70	12.3
<b>2010</b>	10.67	11.5	9.85	10.7	9.89	10.6	11.33	12.2	9.36	10.2	10.05	11.0
<b>2011</b>	10.90	10.9	10.08	10.1	9.43	10.0	11.20	11.5	8.93	9.5	10.49	10.4
<b>2012</b>	11.14	10.9	10.01	10.0	9.90	9.7	11.89	11.5	9.31	9.2	10.14	10.2
<b>2013</b>	10.11	10.7	8.86	9.6	8.71	9.3	11.00	11.4	8.00	8.7	9.33	10.0
<b>2014</b>	10.99	10.7	9.74	9.5	9.63	9.4	11.76	11.5	9.71	9.0	9.68	9.7
<b>2015</b>	11.26	10.8	10.18	9.6	9.79	9.4	11.52	11.4	8.62	8.8	9.12	9.4
<b>2016</b>	11.32	11.2	8.94	9.6	8.11	9.2	10.67	11.3	7.70	8.7	8.38	9.1
<b>2017</b>	11.01	11.2	9.00	9.4	7.88	8.6	10.04	10.7	7.18	7.8	8.46	8.7
<b>2018</b>	11.89	11.4	8.86	8.9	8.40	8.1	10.60	10.4	8.64	7.8	5.65	7.5
<b>2019</b>	10.76	11.2			7.61	8.0	9.90	10.2				7.1
<b>2020</b>	8.39	10.3			7.50	7.8	9.40	10.0				
<b>2021</b>	9.59	10.7			8.25	7.8	10.23	9.9				

## Annual PM2.5 Values Averaged over 3 Years, Cont.

AIRS ID Site	261630095		261530001		261630093		261630098		261630099		261630100	
	Livonia Near RD		Seney		Eliza Howell-NR		DP4th		Trinity		Military Park	
	Annual	3-Yr	Daily	3-Yr	Daily	3-Yr	Daily	3-Yr	Daily	3-Yr	Daily	3-Yr
<b>2005</b>												
<b>2006</b>												
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<b>2011</b>												
<b>2012</b>												
<b>2013</b>												
<b>2014</b>												
<b>2015</b>	9.53											
<b>2016</b>	8.53											
<b>2017</b>	8.48	8.8										
<b>2018</b>	9.10	8.7					11.4		11.9		12.2	
<b>2019</b>	8.36	8.6					10.2		11.3		11.0	
<b>2020</b>			4.56		10.80		9.6	10.4	10.8	11.4	10.9	11.4
<b>2021</b>			6.85		11.45		11.1	10.3	12.4	11.5	11.2	11.0

The PM2.5 NAAQS is met when the annual average concentration averaged over a 3-year period does not exceed 12.0 ug/m3.

In 2012 the annual NAAQS was reduced from 15 ug/m3 to 12 ug/m3.

**Red numbers** indicate concentrations above the NAAQS. **Green numbers** indicate incomplete data.