

Annual PM2.5 Values Averaged over 3 Years

Updated 7/21/2023
Concentrations in ug/m3

AIRS ID Site	260050003		260170014		260210014		260490021		260650012		260650018	
	Holland		Bay City		Coloma		Flint		Lansing		Lansing Filley St.	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
2005	12.39	12.0	12.44	11.1	13.05	11.9	12.89	11.8	13.53	12.5		
2006	11.48	11.7	10.16	10.8	10.95	11.4	10.92	11.4	11.47	12.0		
2007	11.69	11.9	10.17	10.9	11.53	11.8	11.07	11.6	11.48	12.2		
2008	9.68	10.9	8.89	9.7	9.78	10.8	9.77	10.6	9.85	10.9		
2009	8.57	10.0	8.19	9.1	9.04	10.1	8.73	9.9	9.06	10.1		
2010	8.50	8.9	8.16	8.4	8.74	9.2	8.88	9.1	8.98	9.3		
2011	8.44	8.5	7.67	8.2	8.71	9.1	8.45	8.7	8.65	8.9		
2012	8.52	8.5	7.72	7.9	8.70	8.8	7.98	8.4	8.65	8.8		
2013	7.82	8.3	7.47	7.6	7.97	8.5	7.44	8.0	7.58	8.3		
2014	8.68	8.3	8.17	7.8	8.49	8.4	8.92	8.1	9.38	8.5		
2015	7.87	8.1	7.73	7.8	8.49	8.3	8.15	8.2	8.56	8.5		
2016	6.99	7.8	6.84	7.6	7.35	8.1	7.18	8.1	7.31	8.4		
2017	7.49	7.4	6.75	7.1	7.99	7.9	7.10	7.5	7.23	7.7		
2018	7.61	7.4	7.15	6.9			7.40	7.2	7.62	7.4	7.82	
2019	7.15	7.4	6.78	6.9			7.20	7.2			7.27	
2020	5.96	6.9	4.75	6.2			6.01	6.9			7.06	7.4
2021	7.03	6.7	6.14	5.9			7.28	6.8			9.59	8.0
2022	6.70	6.6	6.40	5.8			8.20	7.2			8.60	8.4

AIRS ID Site	260770008		260810020		260910007		260990009		261010922		261130001	
	Kalamazoo		Grand Rapids		Tecumseh		New Haven		Manistee		Houghton Lake	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
2005	13.83	13.0	13.72	13.1			14.38	13.1			9.38	8.2
2006	12.57	12.6	12.62	12.8			11.28	12.5	9.12		7.77	8.1
2007	12.62	13.0	12.25	12.9			11.94	12.5	8.54		7.88	8.3
2008	11.19	12.1	10.67	11.8	7.28		10.66	11.3	7.62	8.4	6.48	7.4
2009	10.02	11.3	9.42	10.8	9.74		9.49	10.7	6.14	7.4	5.91	6.8
2010	9.31	10.2	9.62	9.9	8.91	8.6	8.92	9.7	6.61	6.8	5.94	6.1
2011	9.02	9.4	9.47	9.5	9.57	9.4	8.61	9.0	6.39	6.4	6.16	6.0
2012	9.52	9.3	9.32	9.5	9.00	9.2	8.74	8.8	7.16	6.7	5.92	6.0
2013	8.27	8.9	8.37	9.1	7.93	8.8	8.14	8.5	6.45	6.7	5.48	5.9
2014	9.64	9.1	9.48	9.1	8.78	8.6	9.15	8.7	6.16	6.6	5.61	5.7
2015	9.64	9.2	9.30	9.1	8.57	8.4	9.72	9.0	6.36	6.3	5.59	5.6
2016	8.09	9.1	8.16	9.0	7.46	8.3	7.51	8.8	5.50	6.0	4.87	5.4
2017	8.03	8.6	8.12	8.5	7.34	7.8	7.40	8.2	5.84	5.9	4.81	5.1
2018	8.47	8.2	8.25	8.2	7.96	7.6	7.82	7.6	6.13	5.8	5.42	5.0
2019	7.35	8.0	8.20	8.2	8.50	7.9	7.30	7.5	4.93	5.6	5.80	5.3
2020	7.70	7.8	7.73	8.1	8.19	8.2	6.00	7.0	5.10	5.4	8.04	6.4
2021	10.57	8.5	10.45	8.7	8.48	8.4	9.71	7.7	5.03	5.0	8.99	7.6
2022	10.30	9.5	9.40	9.2	8.30	8.3	8.9	8.2	4.20	4.8	8.90	8.6

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

AIRS ID Site	261250001		261390005		261470005		261630025		261610008		261630001	
	Oak Park		Jenison		Port Huron		Livonia		Ypsilanti		Allen Park	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
2005	15.47	14.3	13.99	12.7	15.09	13.8	14.93	13.9	15.61	14.4	15.94	15.1
2006	12.11	13.4	12.02	12.4	12.04	13.1	11.86	13.1	12.55	13.7	13.18	14.5
2007	13.33	13.6	11.68	12.6	12.44	13.2	12.75	13.2	12.98	13.7	12.76	14.0
2008	10.86	12.1	10.82	11.5	11.08	11.9	11.01	11.9	10.91	12.1	11.83	12.6
2009	10.03	11.4	9.19	10.6	9.74	11.1	9.88	11.2	9.94	11.3	11.06	11.9
2010	9.12	10.0	9.15	9.7	8.94	9.9	9.10	10.0	9.24	10.0	10.23	11.0
2011	9.14	9.4	9.13	9.2	9.14	9.3	9.47	9.5	9.74	9.6	10.47	10.6
2012	9.51	9.3	8.98	9.1	9.37	9.2	9.62	9.4	9.20	9.4	10.07	10.3
2013	8.37	9.0	8.09	8.7	8.44	9.0	8.66	9.3	8.64	9.2	9.48	10.0
2014	9.33	9.1	--		9.39	9.1	9.45	9.2	9.79	9.2	10.12	9.9
2015	9.37	9.0	--		9.50	9.1	9.31	9.1	9.59	9.3	9.66	9.8
2016	7.84	8.8	--		7.77	8.9	8.16	9.0	7.84	9.1	8.72	9.5
2017	8.11	8.4	--		8.01	8.4	7.98	8.5	7.97	8.5	8.47	8.9
2018	8.27	8.1	8.32		8.09	8.0	7.45	7.9	8.35	8.1	9.11	8.8
2019	7.74	8.0	8.30		7.64	7.9	7.45	7.6	8.33	8.2	8.69	8.8
2020	7.42	7.8	7.39	8.0	6.75	7.5			7.17	7.9	7.46	8.4
2021	8.20	7.8	10.12	8.6	9.31	7.9			8.86	8.5	10.65	8.9
2022	6.80	7.5	8.90	8.8	8.50	8.2			8.90	8.7	8.90	9.0

AIRS ID Site	261630015		261630016		261630019		261630033		261630036		261630039	
	Detroit-SW		Linwood		Detroit-E 7 Mile		Dearborn		Wyandotte		FIA/Lafayette	
	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
2005	17.21	16.4	16.01	15.2	16.48	14.8	18.55	18.2	16.42	15.5		
2006	14.68	15.8	13.04	14.2	12.71	14.1	16.13	17.2	12.92	14.3	13.13	
2007	14.54	15.5	13.86	14.3	13.01	14.1	16.89	17.2	13.45	14.3	13.83	
2008	12.85	14.0	11.94	12.9	11.33	12.3	13.34	15.4	10.94	12.4	12.23	13.1
2009	11.12	12.8	10.36	12.1	10.54	11.6	12.07	14.1	10.36	11.6	10.70	12.3
2010	10.67	11.5	9.85	10.7	9.89	10.6	11.33	12.2	9.36	10.2	10.05	11.0
2011	10.90	10.9	10.08	10.1	9.43	10.0	11.20	11.5	8.93	9.5	10.49	10.4
2012	11.14	10.9	10.01	10.0	9.90	9.7	11.89	11.5	9.31	9.2	10.14	10.2
2013	10.11	10.7	8.86	9.6	8.71	9.3	11.00	11.4	8.00	8.7	9.33	10.0
2014	10.99	10.7	9.74	9.5	9.63	9.4	11.76	11.5	9.71	9.0	9.68	9.7
2015	11.26	10.8	10.18	9.6	9.79	9.4	11.52	11.4	8.62	8.8	9.12	9.4
2016	11.32	11.2	8.94	9.6	8.11	9.2	10.67	11.3	7.70	8.7	8.38	9.1
2017	11.01	11.2	9.00	9.4	7.88	8.6	10.04	10.7	7.18	7.8	8.46	8.7
2018	11.89	11.4	8.86	8.9	8.40	8.1	10.60	10.4	8.64	7.8	5.65	7.5
2019	10.76	11.2			7.61	8.0	9.90	10.2				7.1
2020	8.39	10.3			7.50	7.8	9.40	10.0				
2021	9.59	10.7			8.25	7.8	10.23	9.9				
2022	11.60	10.6			7.2	7.6	9.30	9.7				

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	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr	Annual	3-Yr
2005												
2006												
2007												
2008												
2009												
2010												
2011												
2012												
2013												
2014												
2015	9.53											
2016	8.53											
2017	8.48	8.8										
2018	9.10	8.7					11.40		11.90		12.20	
2019	8.36	8.6					10.20		11.30		11.00	
2020			4.56		10.80		9.60	10.4	10.80	11.4	10.90	11.4
2021			6.85		11.45		11.14	10.3	12.42	11.5	11.21	11.0
2022			6.10	5.80	11.00	11	9.80	10.2	12.00	11.7	10.90	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.