

**Monthly Average PM_{2.5} Concentrations Measured in the
Port of Los Angeles Monitoring Network**

February 2005 - May 2024

Month	Port of Los Angeles Monitoring Sites			
	Wilmington Community Site	Coastal Boundary Site	San Pedro Community Site	Source- Dominated Site
	Conc. (µg/m ³)	Conc. (µg/m ³)	Conc. (µg/m ³)	Conc. (µg/m ³)
Feb - 05	9.5	6.5	8.2	--
Mar - 05	9.3	7.5	5.7	--
Apr - 05	9.4	6.8	7.0	--
May - 05	11.1	8.9	8.5	11.9
Jun - 05	9.9	7.7	8.8	9.3
Jul - 05	15.7	12.0	12.8	14.2
Aug - 05	14.4	11.7	13.5	14.4
Sep - 05	14.6	11.4	12.7	15.5
Oct - 05	12.8	11.0	11.6	15.9
Nov - 05	16.8	14.3	13.9	19.6
Dec - 05	17.9	13.3	13.3	18.2
Jan - 06	12.9	11.1	11.0	14.2
Feb - 06	14.2	11.6	11.3	16.3
Mar - 06	5.7	3.7	5.3	7.2
Apr - 06	5.7	6.0	5.1	7.6
May - 06	11.7	10.5	10.6	14.4
Jun - 06	11.3	10.4	10.8	12.8
Jul - 06	14.4	11.1	12.9	17.0
Aug - 06	12.1	10.3	12.9	13.2
Sep - 06	13.6	10.3	13.1	13.9

Month	Port of Los Angeles Monitoring Sites			
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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
Oct - 06	12.4	9.8	11.4	13.1
Nov - 06	16.8	12.5	13.4	17.1
Dec - 06	14.7	11.5	11.2	14.5
Jan - 07	15.7	9.7	10.2	14.2
Feb - 07	12.8	10.7	12.1	15.4
Mar - 07	11.2	8.7	10.3	11.5
Apr - 07	8.6	8.2	7.8	9.0
May - 07	10.9	9.4	9.8	10.3
Jun - 07	10.6	9.0	9.7	10.0
Jul - 07	12.7	9.5	9.9	9.7
Aug - 07	11.9	12.1	11.6	10.7
Sep - 07	10.6	7.8	10.2	10.7
Oct - 07	19.8	13.6	17.1	17.1
Nov - 07	23.9	15.2	16.0	17.4
Dec - 07	15.4	10.3	10.4	12.4
Jan - 08	9.1	7.3	7.9	9.7
Feb - 08	8.5	7.3	8.6	11.1
Mar - 08	9.3	9.0	8.8	10.4
Apr - 08	8.8	8.1	8.3	11.4
May - 08	8.2	7.1	9.6	9.2
Jun - 08	11.1	9.4	14.9	12.3
July - 08	12.0	11.2	13.5	13.0
Aug - 08	8.1	8.4	11.1	11.7

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
Sept - 08	8.7	9.3	13.6	12.4
Oct - 08	9.2	10.7	14.6	14.2
Nov - 08	6.5	11.4	14.5	13.7
Dec - 08	10.1	10.5	9.5	11.4
Jan - 09	13.9	11.9	14.0	16.2
Feb - 09	6.3	4.8	6.2	7.0
Mar - 09	8.4	5.9	7.4	8.1
Apr - 09	7.6	6.5	7.6	7.7
May - 09	9.1	7.5	9.0	9.3
Jun - 09	6.4	5.1	5.5	6.8
July - 09	8.3	6.7	8.7	8.7
Aug - 09	9.4	7.9	9.2	10.1
Sept - 09	8.8	7.0	8.8	9.3
Oct - 09	8.2	6.6	7.5	8.0
Nov - 09	10.3	9.5	11.7	12.6
Dec - 09	11.6	10.6	13.2	13.7
Jan - 10	8.9	8.5	11.0	12.1
Feb - 10	6.3	5.2	7.2	6.7
Mar - 10	5.5	4.9	5.9	6.5
Apr - 10	6.5	4.9	6.4	6.5
May - 10	5.7	5.0	5.3	5.6
June - 10	8.8	5.5	6.5	6.8
July - 10	8.5	5.6	6.9	7.1

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
Aug - 10	8.2	5.6	7.7	7.7
Sept - 10	9.6	6.3	8.0	8.2
Oct - 10	6.2	4.8	6.1	7.1
Nov - 10	8.3	5.8	6.8	6.8
Dec - 10	12.0	7.3	10.0	8.5
Jan - 11	10.7	8.7	11.3	9.2
Feb - 11	8.9	7.6	7.2	7.1
Mar - 11	6.8	6.4	6.2	5.4
Apr - 11	5.4	7.7	6.1	6.2
May - 11	8.5	7.1	5.9	5.7
June - 11	6.7	5.8	5.7	5.7
July - 11	9.0	6.1	7.5	7.0
Aug - 11	8.1	6.5	7.2	7.6
Sept - 11	9.3	7.7	8.1	8.5
Oct - 11	10.5	7.4	8.9	9.9
Nov - 11	10.8	7.9	9.3	10.6
Dec - 11	14.3	8.7	9.3	13.6
Jan - 12	12.1	8.3	5.8	11.6
Feb - 12	--	5.5	4.0	9.2
Mar - 12	5.1	5.1	5.4	4.5
Apr - 12	6.0	5.2	4.9	5.7
May - 12	8.3	6.5	5.9	6.3
June - 12	6.7	4.7	5.6	6.1

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
July - 12	7.0	4.9	6.6	6.1
Aug - 12	6.8	5.7	6.7	6.4
Sept - 12	8.6	8.1	8.4	9.4
Oct - 12	5.7	6.4	5.4	8.1
Nov - 12	8.8	5.4	6.6	8.5
Dec - 12	7.0	6.7	7.7	11.7
Jan - 13	11.4	7.6	9.1	9.9
Feb - 13	7.8	6.8	6.7	7.2
Mar - 13	8.1	5.0	6.0	6.8
Apr - 13	6.9	4.6	4.9	5.4
May - 13	7.6	5.7	5.7	6.6
June - 13	5.9	3.9	4.5	5.6
July - 13	6.6	3.4	5.5	5.9
Aug - 13	6.9	4.4	6.4	--
Sep - 13	6.9	4.3	5.7	10.0
Oct - 13	10.0	6.1	8.1	11.5
Nov - 13	9.3	5.7	7.3	9.9
Dec -13	14.0	7.4	10.0	14.0
Jan - 14	18.7	10.0	14.2	14.5
Feb - 14	7.9	6.0	6.2	8.5
Mar - 14	8.2	4.2	14.1	12.0
Apr - 14	7.9	5.1	8.5	11.4
May - 14	6.6	5.6	9.6	8.1

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
June - 14	6.3	4.7	8.9	6.9
July - 14	6.7	6.9	7.8	6.5
Aug - 14	6.5	5.2	10.0	7.2
Sep - 14	6.9	5.3	10.1	7.8
Oct - 14	9.2	5.2	7.9	7.7
Nov - 14	11.0	7.3	9.0	7.9
Dec -14	9.9	5.6	7.1	6.2
Jan - 15	12.7	8.2	10.7	7.6
Feb - 15	12.0	--	9.7	7.4
Mar - 15	12.1	--	9.6	8.2
Apr - 15	12.7	4.7	9.5	9.8
May - 15	8.0	4.1	4.9	7.3
June - 15	8.7	5.0	5.3	5.3
July - 15	6.5	3.7	4.2	4.6
Aug - 15	12.2	5.8	7.3	7.1
Sep - 15	11.2	5.2	6.7	6.5
Oct - 15	8.9	5.7	6.9	6.2
Nov - 15	10.2	7.9	7.9	7.5
Dec - 15	8.8	--	6.8	6.2
Jan - 16	7.5	--	6.4	5.6
Feb - 16	8.3	--	7.1	7.6
Mar - 16	6.7	--	5.6	4.9
Apr - 16	6.1	--	4.9	7.3

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
May - 16	4.8	--	3.9	4.1
June - 16	8.1	--	7.8	7.5
July - 16	7.4	7.4	6.7	7.5
Aug - 16	7.6	6.4	6.7	9.1
Sep - 16	8.1	4.5	6.4	6.4
Oct - 16	6.7	4.4	5.5	5.6
Nov - 16	9.5	6.3	7.7	7.6
Dec - 16	8.5	4.8	7.2	5.5
Jan - 17	9.1	5.8	6.2	6.3
Feb - 17	4.6	2.7	3.9	4.5
Mar - 17	6.4	4.3	5.7	7.3
Apr - 17	6.6	4.5	5.5	7.8
May - 17	6.7	4.5	4.8	7.7
June - 17	6.0	3.8	4.8	7.2
July - 17	7.8	4.8	5.1	7.5
Aug - 17	9.7	5.7	7.9	8.3
Sep - 17	8.9	5.0	6.7	6.1
Oct - 17	11.1	7.6	8.1	7.4
Nov - 17	7.4	4.8	6.4	4.9
Dec - 17	18.8	8.2	10.4	9.9
Jan - 18	9.6	5.8	8.0	6.9
Feb - 18	9.6	5.6	4.7	6.3
Mar - 18	4.8	2.9	3.8	3.8

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
Apr - 18	7.6	4.7	4.9	5.9
May - 18	5.8	3.3	4.3	4.0
June - 18	7.4	4.0	3.9	4.9
July - 18	8.2	3.9	5.9	5.1
Aug - 18	12.2	--	10.1	8.4
Sep - 18	8.5	5.0	6.2	6.0
Oct - 18	7.3	5.4	5.9	5.6
Nov - 18	13.5	6.4	9.1	7.8
Dec - 18	9.4	5.0	6.1	6.2
Jan - 19	7.1	4.4	4.6	5.2
Feb - 19	4.4	2.5	2.5	2.7
Mar - 19	5.2	2.9	3.6	3.8
Apr - 19	5.4	3.3	3.5	3.8
May - 19	5.5	3.3	3.6	3.7
June - 19	5.0	2.6	3.5	2.9
July - 19	7.3	4.8	5.9	5.1
Aug - 19	5.5	4.2	5.4	4.4
Sep - 19	6.0	4.1	4.9	4.5
Oct - 19	8.9	6.5	7.7	7.3
Nov - 19	9.2	6.0	8.1	6.8
Dec - 19	6.4	4.4	5.2	4.6
Jan - 20	10.1	5.8	6.4	6.0
Feb - 20	6.3	4.6	4.9	5.1

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
Mar - 20	3.1	2.1	2.5	2.3
Apr - 20	3.7	3.0	3.7	4.0
May - 20	5.1	--	4.2	4.4
Jun - 20	4.4	--	3.7	3.7
Jul - 20	5.9	--	5.1	4.8
Aug - 20	6.2	--	5.7	5.7
Sep - 20	14.6	--	13.9	13.7
Oct - 20	10.8	--	11.8	11.6
Nov - 20	8.8	--	7.1	9.3
Dec - 20	10.7	--	8.2	9.5
Jan - 21	10.0	--	7.2	7.0
Feb - 21	6.5	--	4.8	5.6
Mar - 21	4.0	--	3.9	3.2
Apr - 21	6.2	--	4.4	7.0
May - 21	4.7	--	3.6	--
Jun - 21	4.3	--	3.2	--
Jul - 21	5.5	--	4.5	--
Aug - 21	7.0	--	7.1	--
Sep - 21	7.0	--	6.5	--
Oct - 21	6.5	--	5.9	--
Nov - 21	8.3	--	6.7	--
Dec - 21	7.5	--	4.1	--
Jan - 22	6.7	--	6.0	--

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
Feb - 22	6.1	--	6.3	--
Mar - 22	5.7	--	4.8	--
Apr - 22	4.7	--	4.3	--
May - 22	5.2	6.6	4.3	4.6
Jun - 22	6.9	3.5	4.9	4.5
Jul - 22	9.8	3.7	5.6	5.3
Aug - 22	6.9	4.0	4.6	3.3
Sep - 22	7.4	4.5	5.2	4.6
Oct - 22	7.6	4.4	4.8	4.2
Nov - 22	9.7	5.1	6.2	5.5
Dec - 22	10.7	4.7	5.1	3.9
Jan - 23	5.4	3.7	4.3	3.8
Feb - 23	4.9	4.0	4.2	4.1
Mar - 23	3.9	2.6	3.3	3.7
Apr - 23	4.9	2.9	4.1	2.5
May - 23	3.4	3.1	2.5	2.4
Jun - 23	2.8	3.0	3.2	3.4
Jul - 23	6.6	5.3	7.0	5.4
Aug - 23	6.0	4.8	6.0	4.4
Sep-23	6.8	6.0	6.9	5.3
Oct-23	7.4	5.4	7.1	5.7
Nov-23	11.0	6.5	8.0	6.2
Dec-23	11.2	6.9	8.6	6.1

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Jan - 24	9.2	5.3	5.5	4.6
Feb - 24	4.3	2.7	3.1	2.4
Mar - 24	4.0	2.3	3.3	2.6
Apr - 24	5.6	3.6	4.9	4.1
May - 24	5.5	3.6	5.4	4.5

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	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)	Conc. ($\mu\text{g}/\text{m}^3$)
12 Month Averages				
2005	12.9	10.1	10.5	14.9
2006	12.1	9.9	10.8	13.4
2007	13.7	10.4	11.3	12.4
2008	9.1	9.1	11.3	11.2
2009	9.1	7.5	9.2	9.8
2010	7.9	5.8	7.3	7.5
2011	8.6	7.3	7.6	7.9
2012	7.4	6.1	6.1	7.8
2013	8.5	5.4	6.6	8.0
2014	8.9	5.9	9.3	8.3
2015	10.3	5.4	7.5	7.0
2016	7.4	5.6	6.3	6.5
2017	8.4	5.1	6.3	7.1
2018	8.7	5.1	6.1	5.9
2019	6.3	4.1	4.9	4.6
2020	7.5	--	6.4	6.7
2021	6.1	--	4.6	--
2022	7.3	4.6	5.2	4.5
2023	6.2	4.5	5.4	4.5
2024	5.8	3.5	4.3	3.5

- Annual $\text{PM}_{2.5}$ Federal standard $15 \mu\text{g}/\text{m}^3$ until 12/14/12, when lowered to $12 \mu\text{g}/\text{m}^3$.
- Annual $\text{PM}_{2.5}$ California standard is $12 \mu\text{g}/\text{m}^3$.
- $\text{PM}_{2.5}$ average for 2005 based on 11 months of data (Feb-Dec).
- $\text{PM}_{2.5}$ average for 2015 at Berth 47 is based on ~ 9 months of data due to a power outage and instrument issue.
- Monitoring at Coastal Boundary Station suspended April 25, 2020 to May 1, 2022.
- Monitoring at Source-Dominated Station suspended May 1, 2021 to May 1, 2022.
- Annual $\text{PM}_{2.5}$ average for 2022 based on 12 months of data (Jan-December) for Wilmington and San Pedro Community stations.
- Annual $\text{PM}_{2.5}$ average for 2022 based on 8 months of data (May-December) for Source-Dominated and San Pedro Community stations.
- Annual $\text{PM}_{2.5}$ average for 2024 based on 5 months of data (January - May 2024).

