

Residents Against Wood Smoke Emission Particulates

Episode 560G January 2, 2024 Coast to Coast

12/30/2023 to 1/2/2023

	Location PM2.5 over 3 days	% above 12ug/m3 PM2.5	% above 25ug/m 3 PM2.5	% above 35ug/m 3 PM2.5	% above 50ug/m 3 PM2.5	% above 60ug/m 3 PM2.5	% above 75ug/m 3 PM2.5	Average PM2.5 at one monitor	PM2.5 average in 3 days
1	California, Contra Costa County, Kensington	43%	19%	11%	0%	0%	0%	Average	14
2	California, Humboldt County, Trinidad	64%	34%	15%	1%	0%	0%	Average	18
3	Maine, Androscoggin County, Lewiston, Echo Road	52%	8%	1%	0%	0%	0%	Average	11
4	Maine, Kennebec County, Winslow	6%	0%	0%	0%	0%	0%	Average	7
5	Maine, Sagadahoc County, Topsham	30%	6%	0%	0%	0%	0%	Average	10
6	Maine, Waldo County, Searsmont	25%	7%	3%	1%	1%	0%	Average	10
7	Wisconsin, Dane County, Town of Berry, Turner	58%	49%	27%	1%	0%	0%	Average	22
8	Wisconsin, Dane County, Black Earth	52%	43%	24%	2%	0%	0%	Average	20
9	Wisconsin, Dane County, Deerfield, Wholly Rooted	56%	46%	32%	10%	0%	0%	Average	22
10	Wisconsin, Dane County, Madison, 950 Clarence	59%	45%	24%	0%	0%	0%	Average	20
11	Wisconsin, Dane County, Madison, Dudgeon	58%	47%	30%	2%	0%	0%	Average	21
12	Wisconsin, Dane County, Madison, Elinor Street	57%	44%	24%	1%	0%	0%	Average	20
13	Wisconsin, Dane County, Madison, Faircrest	63%	53%	34%	9%	5%	2%	Average	24
14	Wisconsin, Dane County, Madison, LaFollette	22%	3%	0%	0%	0%	0%	Average	9
15	Wisconsin, Dane County, Madison, Sasy1	53%	38%	19%	0%	0%	0%	Average	18
16	Wisconsin, Dane County, Madison, Wexford Village	49%	18%	0%	0%	0%	0%	Average	12
17	Wisconsin, Dane County, Maple Bluff, GoPackGo	51%	27%	13%	2%	1%	0%	Average	16
18	Wisconsin, Dane County, Mount Horeb	38%	18%	12%	0%	0%	0%	Average	11
19	Wisconsin, Marathon County, Wausau	44%	17%	3%	0%	0%	0%	Average	12
20	Wisconsin, Oneida County, Rhinelander	23%	8%	0%	0%	0%	0%	Average	7
21	Wisconsin, Polk County, The Gauls	28%	5%	0%	0%	0%	0%	Average	8
22	Wisconsin, Polk County, Prairie Road	53%	32%	14%	0%	0%	0%	Average	17
23	Wisconsin, Polk County, Milltown, Manor A	78%	42%	26%	9%	3%	2%	Average	27
24	Wisconsin, Sauk County, Spring Green	54%	45%	23%	0%	0%	0%	Average	18
25	Wisconsin, Vernon County, LaFarge	41%	12%	1%	0%	0%	0%	Average	17
26	Wisconsin, Walworth County, Whitewater, Glacier Cre	47%	25%	11%	0%	0%	0%	Average	12
27	Canada, BC Parksville, Acacia N	9%	4%	2%	0%	0%	0%	Average	27
28	Canada, BC Shulus, Office	29%	14%	4%	0%	0%	0%	Average	14
29	Canada, BC, Vancouver, Woodland	55%	7%	1%	0%	0%	0%	Average	15
30	Average of all locations	45%	25%	12%	1%	0%	0%	Average	16

The locations of PM2.5 monitors may be self-selected by near neighbors of indoor

residential wood burners whose wood smoke enters the yards of near neighbors and sickens them. The near neighbors may hope to use data like this to shut down their neighborhood indoor residential wood burners, presenting this to Health Departments.

The near neighbors may want this form of evidence to be collected by governments.

Instructions on how to calculate this 3 day percentage data from your own PurpleAir PM2.5 monitor.

5 Excel Pages: 3 day % above NAAQS using PurpleAir PM2.5 calculation in Excel, with correlation to EPA

Regulation PM2.5 monitor, using PurpleAir Data download from 1 resident-owned monitor. Example Template

Wisconsin, Madison, Elinor Street 12/6/2023

Then 3 more pages for 3 day % above 50, 60 and 75 micrograms per cubic meter which are far above EPA NAAQS

2)Main Excel page. 2A)Paste of download data at A6 using Paste 123 2B)Auto 2B)After paste of PurpleAir Download. Auto correlation of PurpleAir to EPA Regulatory PM2.5 Monitor data using simple mathematical formula $(PA \times 0.514) + 1.8304$ in Columns E through G 2C)Copy A6:G438, and then paste 123 to YELLOW page at A1, then paste 123 to Orange Page at A1, then paste 123 to RED Page at A1.

3)YELLOW Excel page 3A) 12 micrograms per cubic meter 3B)Conditional Formatting 12 plus is YELLOW cell color 3C)Sorted YELLOW cell color on top 3D)count of YELLOW cells

4)ORANGE Excel page 3A) 25 micrograms per cubic meter 3B)Conditional Formatting 12 plus is ORANGE cell color 3C)Sorted ORANGE cell color on top) 3D)count of ORANGE cells

5)RED Excel page 3A) 35 micrograms per cubic meter 3B)Conditional Formatting 12 plus is RED cell color 3C)Sorted RED cell color on top) 3D)count of RED cells

6)After number of sorted rows of YELLOW on YELLOW page, number of sorted rows of ORANGE on ORANGE page and number of sorted rows of RED on RED page 6A)entered at Main page E5, 6B)E6, and 6C)E7. This will autocalculate percent above NAAQS at 6D)B4 on Main page 6E)C4 on Main Page and 6F)D4 on Main Page.

7)Copy 7A)A1:D5 on Main Page, then 7B)Paste 123 or paste Link N (most right Paste choice)in to a Word file.

8)This Word file information is used for the chart of all residents owned monitor 3 day percent data on RAWSEP Coast to Coast, which data appears in Youtube videos, Spotify podcasts, and saved as a PDF on the RAWSEP website <https://RAWSEPresident.com>

9)Email rawsepresidents@gmail.com for Excel Template to be emailed to you, if you own a PurpleAir PM2.5 monitor, and are a near neighbor of an indoor residential wood burner whose PM2.5 smoke enters your yard and sickens you.

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