

Residents Against Wood Smoke Emission Particulates

Episode 56OX January 14, 2024. Coast to Coast

1/11/2024 to 1/14/2024

	Location	PM2.5 over 3 days % above 12ug/m3 PM2.5	% above 25ug/m3 PM2.5	% above 50ug/m3 PM2.5	% above 60ug/m3 PM2.5	% above 75ug/m3 PM2.5	Average PM2.5 at one monitor 3 days	PM2.5 average in 3 days		
1	California, Contra Costa County, Kensington	20%	14%	8%	0%	0%	0%	Average	9	
2	California, Humboldt County, Trinidad	52%	29%	14%	2%	0%	0%	Average	16	
3	Maine, Androscoggin County, Lewiston, Echo Road 10		36%	9%	4%	2%	1%	0%	Average	
4	Maine, Kennebec County, Winslow	9%	6%	3%	0%	0%	0%	Average	6	
5	Maine, Sagadahoc County, Topsham	14%	1%	0%	0%	0%	0%	Average	7	
6	Maine, Waldo County, Searsmont	17%	3%	0%	0%	0%	0%	Average	7	
7	Wisconsin, Dane County, Town of Berry, Turner 20	46%	35%	33%	7%	1%	0%	Average		
8	Wisconsin, Dane County, Black Earth	47%	37%	35%	9%	6%	0%	Average	23	
9	Wisconsin, Dane County, Deerfield, Wholly Rooted Farm				45%	36%	35%	33%	16%	0%
10	Wisconsin, Dane County, Madison, 950 Clarence 21			49%	37%	35%	9%	0%	0%	Average
11	Wisconsin, Dane County, Madison, Dudgeon 25	56%	43%	38%	18%	10%	0%	Average		
12	Wisconsin, Dane County, Madison, Elinor Street 22		46%	37%	35%	13%	3%	2%	Average	
13	Wisconsin, Dane County, Madison, Faircrest 33	76%	68%	66%	20%	13%	0%	Average		
14	Wisconsin, Dane County, Madison, LaFollette 11	34%	9%	0%	0%	0%	0%	Average		
15	Wisconsin, Dane County, Madison, Sasy1 19	50%	39%	36%	8%	0%	0%	Average		
16	Wisconsin, Dane County, Madison, 9 N. Third Street 18		44%	36%	33%	6%	0%	0%	Average	
17	Wisconsin, Dane County, Madison, Wexford Village 13		41%	30%	8%	0%	0%	0%	Average	
18	Wisconsin, Dane County, Maple Bluff, GoPackGo 17		44%	39%	15%	1%	1%	0%	Average	
19	Wisconsin, Dane County, Mount Horeb	37%	30%	8%	0%	0%	0%	Average	11	
20	Wisconsin, Marathon County, Wausau	25%	16%	4%	0%	0%	0%	Average	9	
21	Wisconsin, Oneida County, Rhinelander	16%	4%	1%	0%	0%	0%	Average	5	
22	Wisconsin, Polk County, The Gauls	5%	2%	0%	0%	0%	0%	Average	3	
23	Wisconsin, Polk County, Milltown, Manor A 27	86%	37%	21%	9%	4%	3%	Average		
24	Wisconsin, Polk County, Prairie Farm	50%	23%	10%	0%	0%	0%	Average	16	
25	Wisconsin, Sauk County, Spring Green	44%	37%	34%	5%	1%	0%	Average	17	
26	Wisconsin, Vernon County, LaFarge	39%	22%	0%	0%	0%	0%	Average	19	
27	Wisconsin, Walworth County, Whitewaer, Glacier Crest 12	34%	33%	13%	1%	0%	0%	Average		
28	Canada, BC Parksville, Acacia N	29%	21%	15%	6%	3%	1%	Average	14	
29	Canada, BC Shulus, Office	16%	10%	3%	0%	0%	0%	Average	5	
30	Canada, BC, Woodland Park, Vancouver 818		35%	17%	13%	6%	4%	1%	Average	
31	Canada, BC, 1100 Keefer Street, Vancouver	20%	7%	2%	1%	0%	0%	Average	8	
32	Average of all locations	38%	25%	17%	5%	2%	0%	All Average PM2.5	42	

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://RAWSEPresidents.com> 9)Email [rawsepresidents@gmail.com](mailto: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.