

Episode 56UOd California, Humboldt County selected monitors June 8, 2024, For May, the Weekly Average PM2.5 from PurpleAir monitors downloaded every month. 9 micrograms per cubic meter is above EPA NAAQS annual "safe" limits.

35 micrograms per cubic meter is above EPA PM2.5 NAAQS "safe" limits in a 24-hour period. EPA NAAQS is United States Environmental Protection Agency National Ambient Air Quality Standards.

Wood burning emits 90% PM2.5, particulate matter of 2.5 micrometer size, the perfect size to infiltrate the human lung, setting off a cascade of human health problems and early deaths.

Residents Against Wood Smoke Emission Particulates would like to hand out a PurpleAir PM2.5 monitor to any near neighbor of an inside residential wood burner whose wood smoke infiltrates their yards and sickens them.

| DateTime | Big Lagoon Outside A | Rainbow Lane A | Ewing A | Westhaven Dr N, Trinidad A | Luffenholtz A | NC#102_McKinleyville A | RCM Outside A |
|------------------------|----------------------|---------------------|---------------------|----------------------------|---------------------|------------------------|---------------------|
| 5/5/2024 0:00 | 31 | | 28 | 15 | 4 | 13 | 58 |
| 5/12/2024 0:00 | 37 | | 43 | 27 | 16 | 32 | 68 |
| 5/19/2024 0:00 | 30 | | 28 | 20 | 7 | 13 | 51 |
| 5/26/2024 0:00 | 38 | 8 | 34 | 21 | 7 | 17 | 56 |
| 6/2/2024 0:00 | 49 | 17 | 56 | 30 | 23 | 25 | 73 |
| DateTime | Big Lagoon Outside A | Rainbow Lane A | Ewing A | Westhaven Dr N, Trinidad A | Luffenholtz A | NC#102_McKinleyville A | RCM Outside A |
| | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA |
| sum divided by 5 weeks | 37 | 12.5 | 37.8 | 22.6 | 11.4 | 20 | 61.2 |
| PA x 0.514 +1.8304 | 21 | 8 | 21 | 13 | 8 | 12 | 33 |
| monitor number | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

| | | | | | | |
|------------------------|---------------------|---------------------|-----------------------------|---------------------|---------------------|---------------------|
| DateTime | Eagle outside A | Berta road A | NC#128_Loleta_Wiyot Tribe A | NC#157_Fortuna A | Rohnerville A | Hydesville A |
| 5/5/2024 0:00 | 31 | 19 | 27 | 14 | 18 | 23 |
| 5/12/2024 0:00 | 37 | 24 | 30 | 23 | 24 | 30 |
| 5/19/2024 0:00 | 25 | 16 | 22 | 16 | 16 | 20 |
| 5/26/2024 0:00 | 28 | 18 | 22 | 17 | 17 | 20 |
| 6/2/2024 0:00 | 37 | 22 | 34 | 24 | 23 | 29 |
| DateTime | Eagle outside A | Berta road A | NC#128_Loleta_Wiyot Tribe A | NC#157_Fortuna A | Rohnerville A | Hydesville A |
| | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA | Humboldt County, CA |
| sum divided by 5 weeks | 31.6 | 19.8 | 27 | 18.8 | 19.6 | 24.4 |
| PA x 0.514 +1.8304 | 18 | 12 | 16 | 11 | 12 | 14 |
| monitor number | 8 | 9 | 10 | 11 | 12 | 13 |