

Episode 56QM February 8, 2024. U S 9 ug/m3 PM2.5 new limit. Dutch warned against wood burning by GGD.

In Episode 56QM (1)United States. Reactions to EPA lowering “safe” PM2.5 to 9 micrograms per cubic meter annually, a new National Ambient Air Quality Standard (NAAQS). (2)United States. RAWSEP View that New Hampshire wood burning at an Elementary School for heat is a mistake (3)New Zealand waste facility (wood burning) fire. (4)United Kingdom. Elmbridge, United Kingdom regulates indoor residential wood burning. (5)United Kingdom, Scotland. Public asked to stop removing driftwood for wood burning stoves (6) Finland. Discouraging wood burning. (7)The Netherlands. The Dutch warned against wood burning by GGD, government organization. (8)China. Minimization of PM2.5 sampling errors in China. (9)Vietnam. Particulate pollution leads to flight diversions in Vietnam. (10)Research Study. Gentrification and PM2.5 pollution increase in minority populations. (11)Research study. Open fireplaces could decrease life expectancy, study finds. (12)Research Study, Prenatal Air pollution effect on newborn respiration. (13)Alabama, Decatur incinerator for wood burning. (14)Colorado. Prescribed Burn. (15)Hawaii. Police release a report on fire in Hawaiian town. (16)Missouri, Cedar County. Wood burning stove house fire. (17)Nevada, Lake Tahoe. Prescribed burn. (18)South Dakota, Sioux Falls. Lodge fire. (19)Texas, San Antonio wood burning sauna house fire. (20)Texas, Tyler. Controlled burn of storm debris. (21)Kerry Ingredients Smoke flavor additive. (1)United States. Reactions to EPA lowering “safe” PM2.5 to 9 micrograms per cubic meter annually, a new National Ambient Air Quality Standard (NAAQS) RAWSEP View: The CalMatters headline that this lower “safe” limit will make it harder for California to pursue clean air makes no sense. The lower PM2.5 limit is accompanied by Inflation Reduction Act incentives for residents to switch from wood burning to clean energy such as Heat Pumps powered by wind or solar power, which will lower actual PM2.5 Levels across the state of California. RAWSEP View: The Republican response in the House of Representatives also makes no sense. Controlling pollution will not be devastating for American businesses, people's livelihoods, and our economic leadership. Lowering “safe” PM2.5 limits to 9 micrograms per cubic meter and compliance with these “safe” limits by controlling emissions will result in saving costs for healthcare for the illnesses and early deaths caused by PM2.5 pollution. Particulate pollution also can close airports and interfere with or stop commuting to work during severe episodes like those from the Canadian wildfire (wood burning smoke) incursion into the United States in June 2023. EPA Articles about the lowering of “safe” limits from 12 to 9 micrograms per cubic meter for annual PM2.5 limits. [EPA finalizes stronger standards for harmful soot pollution, significantly increasing health](#) Environmental Protection Agency (EPA). By strengthening the annual health-based national ambient air quality standard for fine particulate matter (PM2.5) from a level of 12 micrograms per (cubic meter to 9). [Final Reconsideration of the National Ambient Air Quality Standards for Particulate Matter \(PM\)](#) - Environmental Protection Agency (EPA). [Full Coverage](#) RAWSEP View: Reactions Alphabetical by article publisher. 1a)American Chemistry Council. 1b)American Public Power Association. 1c)Bloomberg Law News. 1d)CalMatters. 1e)Republican members of the Energy and Commerce Committee (of the U S House of Representatives), 1f)Democratic U S Senator Edward Markey of Massachusetts and 3 others, 1g)The Natural Resources Defense Council (NRDC), 1h)The New York Times (NYT), 1i)Reuters News Service and 1j)Spectrum News. 1a)[Statement on EPA's PM 2.5 NAAQS Rule - American Chemistry Council](#) Environmental Protection Agency's (EPA) finalization of the fine particulate matter (PM) 2.5 National Ambient Air Quality Standards (NAAQS). 1b)[EPA Issues Final Rule Lowering the Annual PM 2.5 NAAQS](#) American Public Power Association. The Environmental Protection Agency on Feb. 7 issued its final rule reconsidering the particulate matter national ambient air quality standards. 1c)[EPA Tightens Air Quality Limits for Particulate Matter Pollution - Bloomberg Law News](#) The Environmental Protection Agency decreased the amount of allowable particulate matter, or PM 2.5, permitted in the ambient air. Under the final. 1d)California. [CA's pursuit of clean air just got harder: New soot standards - CalMatters](#) smoke from wildfires. He said the EPA should have kept the existing wood burning. “The science is clear: soot pollution is one of the most. 1e)(Republican) [Chairs Rodgers and Carter Condemn EPA's Unattainable PM 2.5 Standards That Will Crush](#) (U S House of Representatives) Energy and Commerce Committee. PM 2.5 – that will be devastating for American businesses, people's livelihoods, and our economic leadership. “The EPA's new standards for PM 2.5 1f)(Democratic U S) Senator Edward Markey of Massachusetts and 3 others. [Markey, Barragán, Blunt, Rochester Statement on EPA PM 2.5 Final Rule](#) Senator Edward Markey. Particulate Matter (PM 2.5), also known as soot pollution: “Last year, we sent a letter to Administrator Regan urging the EPA to strengthen this. 1g)Natural Resources Defense Council. [Biden Administration Strengthens Health Standard for Soot Pollution - NRDC](#) It set the annual health standard for soot, otherwise known as fine particulate matter air pollution, or PM2.5, at 9 micrograms per cubic meter. 1h)[Biden Administration Toughens Limits on Deadly Air Pollution - The New York](#)

[Times](#). The tiny particles are known as PM 2.5 because they are 2.5 microns in diameter or smaller. 1i)[US strengthens national soot standards, industry objects - Reuters](#). The Environmental Protection Agency lowered the allowable concentration of particulate matter smaller than 2.5 microns, or PM 2.5, to 9 micrograms 1j)[Environmental Protection Agency tightens soot rules - Spectrum News](#) particulate matter. The fine, inhalable particles known as PM 2.5 are generated from a variety of sources, including the burning of fossil fuels. RAWSEP reaction to this last article. Wood burning emissions are 90% PM2.5 Wood burning emits 2.8 times the PM2.5 as the fossil fuel coal burning. Wood burning emits 450 times the PM2.5 as the fossil fuel natural gas burning. Wood burning is not fossil fuel burning, but that makes no difference in the PM2.5 level emitted by wood burning. Clean energy methods such as wind and solar power are now cheaper than burning wood for energy or heating. (2)RAWSEP View: Burning wood for elementary school heating places the health of students at risk unnecessarily when clean and cheaper alternatives such as Heat Pumps powered by Solar Energy electricity are available in 2024. New Hampshire. Sunapee Elementary School to be heated by burning wood. [Sunapee Elementary becomes latest Upper Valley school to heat with biomass - NH](#) NH Business Review. New biomass burner brings alternative, wood-burning option that saves money and doesn't rely on fossil fuels. (3)New Zealand. [New Zealand: Smoke From Blaze At Waste Facility In Onehunga Billows Into Auckland Sky 2](#) Brattleboro Reformer. smoke from burning wood chips. Fire crews were able to contain the blaze but were expected to remain at the scene through tomorrow. RESTRICTIONS. New Zealand. Wood chip fire at waste facility. [Evacuations as large Akl fire threatens neighbouring building - 1News](#) Emergency services were called to the scene after a pile of wood chips caught alight at a waste facility. Fire sends black smoke billowing into air. (4)United Kingdom, Elmbridge. [Elmbridge receives funding to encourage clean air in borough](#) Elmbridge Borough Council. Defra estimates that particulates from wood burning accounts for over a fifth (22 per cent) of PM2.5 emissions. Wood burning not only harms your. (5)United Kingdom, Scotland. [Public asked to stop removing driftwood for wood burning stoves | The National](#) Morrison said: "There's been a surge in households with wood burning stoves. "A lot of the timber and driftwood previously scattered around the beach. **RESIDENTS and visitors to a Scottish village will be asked to stop removing driftwood from a beach near the River Spey, as the practice is thought to be contributing to flooding.** (6) Finland. Discouraging wood burning. [Wednesday's papers: Passenger weigh-ins, rising evictions and burning wood | Yle News](#) Finland has set itself a goal of eradicating homelessness by 2027. Wood burning. Concerns about electricity prices are piquing people's interest in (wood burning). (7)The Netherlands. [Third of Dutch burned more wood for heat due to high gas price; Dangerous, GGD's warn](#) NL Times. The main reason for turning to wood burning for heat was the high gas price. Only last week, the GGD health services warned that wood smoke can be. wood smoke. Wood stoves and fireplaces account for almost a quarter of all particulate matter emissions in the Netherlands. 8)China. [Optimization of sampling conditions to minimize sampling errors of both PM 2.5 mass and its](#) National Yang Ming Chiao Tung University Academic Hub. Abstract. The accurate measurement of PM2.5 and its inorganic matters (IMs) is crucial for compliance monitoring and understanding particle formation. 9)Vietnam. Flight Diversions caused by PM2.5 air pollution. [How Air Pollution in Hanoi Is Leading to Flight Diversions - One Green Planet](#) Air quality in Hanoi reached alarming levels, with fine particulate matter (PM 2.5) soaring to more than 11 times the World Health Organization's safe. 10)Research Study. Gentrification and PM2.5 and reduction in minority health. [Gentrification Yields Racial And Ethnic Disparities In Exposure To Contextual Determinants Of Health](#) Health Affairs. PM2.5 However, they also experienced a decrease in walkability and were in neighborhoods with lower life expectancy (both of these. We found that gentrification was associated with overall improvements in the likelihood of living in Medically Underserved Areas across racial and ethnic groups, but it was also associated with increased social deprivation and reduced life expectancy among (minorities). 11)RAWSEP View: "Toasted skin syndrome" from wood burning exposure can lead to cancer. Who is affected more by indoor residential wood burning, the wood burner who directs wood smoke to his or her near neighbors, or the near neighbors who are sickened by the wood smoke? Who should regulations and laws against indoor residential wood burning protect? The researchers estimating that wood burners would use wood stoves in the evening for four hours shows the researchers conceding that fireplace wood burning is done for recreation not because wood burning is the sole home heating source. Those who live in cold climates scoff at the "weekend warrior" mentality of burning wood 4 hours a day, as if the wood burner is "off the grid" and independent. The wood burner in this scenario is dependent on advertising, to the detriment of their health. To have to be told that inhaling wood smoke is harmful to health, by a obvious scientific study, must require an indoor residential wood burner to acknowledge that he or she has been grossly ignorant in the past, and negligent in protecting the health of one's family by wood burning. The researchers speculate that open fireplaces are worse

for wood burners' health than closed wood stoves. That health saving may be true inside a wood burner's home, but emissions of wood burning smoke from the stack of an indoor residential wood burner adversely affect the health of near neighbors of indoor residential wood burners when the wood burners smoke enters the near neighbors' yards and sickens them. Research here appears to be wood burner centric about the actual wood burner's health, when research here should be near neighbor centric about the near neighbor's health. The object of research and data gathering should be to measure actual PM2.5 levels in the ambient air in order to justify taking action to shut down indoor residential wood burners that have emissions that exceed NAAQS "safe" levels.

Research Study. [The Hidden Danger of Open Fireplaces: How They Can Decrease Life Expectancy - Medriva](#) Fine particles, also known as particulate matter, are minute particles suspended in the air. Reducing Exposure to Fine Particles from Wood-Burning. [Open fireplaces can decrease life expectancy for up to 1.6 years - EurekAlert!](#) For that, they considered that families would use the wood-burning equipment for 4 hours during evenings throughout the warming season. [Open fireplaces could decrease life expectancy by up to 1.6 years, suggests modeling study](#) Medical Xpress. An improvement would be to replace them with closed woodstoves or, ideally, replace wood-burning equipment completely," said (the researcher).

12) Research Study. [Prenatal Air Pollution Exposure Tied to Severe Respiratory Distress in Newborns](#) HealthDay. TUESDAY, Feb. 6, 2024 (HealthDay News) -- Prenatal exposures to fine particulate matter (PM2.5) increase the risk for severe respiratory distress.

13) RAWSEP View: Burning "clean" wood waste produces "dirty" air. Wood waste could be composted into usable soil instead of burning. Burning wood debris appears to be a "dirty" tradition in this instance. Alabama, Decatur. [Incinerator saves space by burning wood debris | News | theredstonerocket.com](#) The Redstone Rocket. The objective of the machine is to reduce the particulate matter, or smoke, resulting from burning clean wood waste. DPW's environmental division. A self-contained, above-ground unit is being used to burn natural wood material from job sites at Redstone and storm-related debris.

14) RAWSEP View: Do not call 911. Stay in your sealed home and operate multiple air purifiers, is the best advice during prescribed burns. Colorado, Boulder. [City Planning to Conduct Prescribed Burning for Open Space Agricultural Areas This Spring](#) City of Boulder. There may be smoke in the air. Please do not call 911 since these burns wood-smoke-and-health.

15) Hawaii and United Kingdom, Buckinghamshire. [Police release a report on their response to fire that destroyed Hawaiian town](#) Bucks Free Press. wood smoke' · New Asda branch to open in Buckinghamshire.

16) Missouri, Cedar County. [Quick Action by Local Deputies | Cedar County Republican](#) The attic was just above the families' wood-burning stove. Daniels quickly grabbed a water hose and began spraying the fire. On January 22, around 12:52 PM, Deputy Daniels and Deputy Yokley from the Cedar County Sheriff's Office were sent to a structure fire. Deputy Daniels reached the scene first at approximately 1:00 in the afternoon. When he arrived, he found the attic of the house was on fire.

17) RAWSEP View: Do not call 911. Stay in your sealed home and operate multiple air purifiers, is the best advice during prescribed burns. Nevada, Lake Tahoe. [Limited prescribed fire operations return to Lake Tahoe](#) South Tahoe Now. smoke produced by unwanted wildfires. Smoke from prescribed burns, wildfire or wood burning stoves may hang low to the ground at night and in the.

18) RAWSEP View: Burning wood may have produced the lodge fire. South Dakota, Sioux Falls. Lodge fire. [Historic Lutsen Lodge destroyed in fire overnight - InForum - Sioux Falls Live](#) Smoke rises from charred wood with flags and Lake Superior in the background. Rubble is all that remains after a fire destroyed the Lutsen Lodge.

19) Texas, San Antonio. RAWSEP View: Burning wood caused the home fire. South [Firefighters say wood-burning sauna started fire at northeast-side home - KENS 5](#) SAN ANTONIO — Officials say a wood-burning stove may be to blame for igniting a fire at a home on the northeast side of town. Three people made it out of the home safely, officials say. February 6, 2024. [Firefighters say wood-burning stove started fire at northeast-side home - YouTube](#) Texas, San Antonio. [Fire from sauna spreads, damages Northeast Side home, SAFD says - KSAT](#) Firefighters said the fire was started by a homemade wood burning sauna that happened to be left on. The fire caught the overhang and then spread. [Homemade sauna sparks fire, displacing 3 residents and causing significant damage](#) WOAI They said the custom-made wood-burning sauna was left running. The fire quickly spread to the overhang and then it got up into the attic.

20) Texas, Tyler. RAWSEP View: Burning "clean" wood waste produces "dirty" air. Wood waste could be composted into usable soil instead of burning. Burning wood debris appears to be a "dirty" tradition in this instance. [Longview prepares for future storm debris with city contract, controlled burn - KLTV](#)

(21) Smoke flavoring to add to food instead of burning wood to cook food. [Smoke in the water: Kerry's innovative flavour technology - New Food Magazine](#) Marcus Verkerk (MV): Kerry Red Arrow Condensed Smoke is a refined smoke condensate created using heat, water, wood and filtration. It's 100 percent.