

Episode 56RB February 23, 2024. EU Cleaner Air PM2.5 10 µg/m<sup>3</sup> & Appalachian Voices PurpleAir PM2.5 reports.

Strengthening air quality standards <https://www.consilium.europa.eu/en/press/press-releases/2024/02/20/air-quality-council-and-parliament-strike-deal-to-strengthen-standards-in-the-eu/> With the new rules, PM2.5 would be reduced from 25 µg/m<sup>3</sup> to 10 µg/m<sup>3</sup> To request postponements, member states will have to include air quality projections in their air quality roadmaps (to be established by 2028) demonstrating that the exceedance will be kept as short as possible and that the limit value will be met by the end of the postponement period at the latest. During the period of postponement, member states will also have to regularly update their roadmaps and report on their implementation. European Union. Provisional Agreement on Cleaner Air. [Commission welcomes provisional agreement for cleaner air in the EU](#) European Commission - European Union. With the revised Ambient Air Quality Directive, the annual limit value for the main pollutant – fine particulate matter (PM2.5) – is cut by more than half. Press release [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.](#) February 20, 2024. Brussels, Belgium. Commission welcomes provisional agreement for cleaner air in the EU, a provisional political agreement (was) reached between the European Parliament and the Council on the [revised Ambient Air Quality Directive](#). the new law will set 2030 EU air quality standards aligned more closely with the [WHO global air quality guidelines](#). Cleaner ambient air by 2030 With the revised Ambient Air Quality Directive, the annual limit value for the main pollutant – fine particulate matter (PM2.5) – is cut by more than half. From 25 to 10 µg/m<sup>3</sup> The revision will ensure that people suffering from health damages due to air pollution have the right to be compensated in the case of a violation of EU air quality rules. Under specific circumstances, Member States may get more time to achieve the new standards. Member States will need to take appropriate measures to ensure they respect air quality standards as soon as possible. Next steps. The European Parliament and the Council will now formally have to adopt the revised Directive before it can enter into force. It will enter into force 20 days after its publication in the Official Journal of the EU. Background. On 26 October 2022, the Commission adopted the [proposal for a revised Ambient Air Quality Directive](#). This is a key advance for the [European Green Deal](#)'s zero pollution ambition of having a zero pollution environment by 2050. Air pollution is the greatest environmental threat to health and a leading cause of chronic diseases, including stroke, cancer and diabetes. About 300,000 premature deaths per year and a significant number of non-communicable diseases, such as asthma, cardiovascular problems and lung cancer, are attributed to air pollution. Air pollution continues to be the number one environmental cause of early death in the EU. In this regard, the worst pollutants are particulate matter, first. For More Information. [Commission's proposal on the revision of the Ambient Air Quality Directives](#) (26 October 2022) [Questions and Answers on the Commission's proposal for a revision of EU ambient air quality legislation](#) (from 26 October 2022) This agreement represents a milestone for zero pollution, a cleaner and healthier Europe. The revised law puts in place the standards and the trajectory we need to protect our health and the environment from polluted air. our target: a Europe where pollution is an issue of the past and clean air our future reality. RAWSEP View: With [funding from the EPA](#), Appalachian Voices purchased dozens of PurpleAir PM sensors, and distributed these to individuals and grassroots organizations in Virginia, West Virginia, Kentucky, Tennessee and Pennsylvania. As of today, USACAMP partners have installed 40 of these air monitors and are actively collecting data in the environmental justice communities where our organizations work. Upper South and Appalachia Citizen (PurpleAir PM2.5) Air Monitoring Project begins data collection. Coalition partners monitor 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) in dozens of communities across five states. United States. Upper South and Appalachia. Air monitoring data collection begins. Project partners will then be able to evaluate potential health hazards due to particulate matter exposure in their communities by checking their local air quality data against the National Ambient Air Quality Standards, which for PM 2.5 was recently revised to a target concentration of 9 micrograms per cubic meter. Through the Upper South and Appalachia Citizen Air Monitoring Project, ordinary citizens from Southwestern Pennsylvania, Southern West Virginia, Virginia, Kentucky and Tennessee are monitoring PM 2.5 levels in their respective communities. Appalachian Voices will analyze this data according to EPA-approved methods, and produce quarterly reports for each participant community. These reports will display the quarterly average concentration, an extrapolated annual average concentration and figures for any particularly high single day concentrations of fine particulates measured by each PurpleAir PM sensor distributed for the project. With

data collection underway, the first batch of these reports will be released in March. [Upper South and Appalachia Citizen Air Monitoring Project begins data collection](#) Appalachian Voices. particulate matter, or PM 2.5, in the air. PM 2.5 is an especially hazardous air pollutant. Exposure to high levels of PM 2.5 causes asthma. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. February 22, 2024. Appalachian Voices and partners launched the Upper South and Appalachia Citizen Air Monitoring Project, or USACAMP, in 2023. With [funding from the EPA](#), Appalachian Voices purchased dozens of PurpleAir PM sensors, and distributed these to individuals and grassroots organizations in Virginia, West Virginia, Kentucky, Tennessee and Pennsylvania. PM 2.5 is an especially hazardous air pollutant. Exposure to high levels of PM 2.5 causes asthma attacks, pulmonary and respiratory conditions, and contributes to premature death. The EPA establishes target concentrations for fine particulate matter and certain other dangerous airborne pollutants. These are referred to as National Ambient Air Quality Standards, or NAAQS. More information about the Upper South and Appalachia Citizen Air Monitoring Project, at <https://appvoices.org/coal-impacts/epa-dust-monitoring>. Headlines. Wisconsin Law firm. EPA lowers “safe” limit for PM2.5 from 12 to 9 micrograms per cubic meter. Wisconsin Law Firm Foley and Lardner. [U.S. EPA Finalizes Stringent Annual Particulate Matter Standard | Foley & Lardner LLP](#) EPA's final rule lowers the primary annual NAAQS PM2.5 emission standard from 12 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to 9  $\mu\text{g}/\text{m}^3$ . PM2.5 and Alzheimer's plaques. [Link Found Between Air Pollution and Alzheimer's Plaques | Technology Networks](#) Researchers looked at fine particulate matter, PM2.5, which consists of pollutant particles of less than 2.5 microns in diameter suspended in air. PM2.5 and heart and lung disease. [Air pollution linked to increased hospital admission for major heart and lung diseases](#) Medical Xpress. Short and long-term exposure to fine particulate matter (PM2.5) air pollution is linked to an increased risk of hospital admission for major heart. PM2.5 and health risks. [Smoke from cooking carries health risks | News - Harvard T.H. Chan School of Public Health](#) Harvard University. Women breathe in unhealthy smoke when they cook indoors with biomass fuels such as wood, charcoal, and kerosene, according to a February 9 Cancerworld. PM2.5 and hospital admissions. [Short term exposure to low level ambient fine particulate matter and natural cause - The BMJ](#) PM2.5 levels were also statistically significantly associated with relative risk of hospital admissions for cardiovascular and respiratory diseases. United States. PM2.5 and increased hospital visits. [Major study of 59 million Americans finds fine particulate matter from air pollution increases](#) News-Medical.Net In the present population-based cohort study, researchers evaluated exposure-response correlations between chronic PM2.5 exposure and the. PM2.5 and no safe threshold. ['No safe threshold': Air pollution increases risk for hospitalization among older adults](#) Healio. “Our research shows that low-level exposure to [particulate matter (PM2.5)] presents a substantial risk to cardiovascular health, even at levels below. PM2.5 and size and temperature. [Effect of particle size, helical screw speed and temperature - ScienceDirect](#) Torrefaction of wood and garden wastes from municipal solid waste to enhanced solid fuel using helical screw rotation-induced fluidised bed reactor. RAWSEP View: The Department of Energy should be spending taxpayer dollars on the clean, cheaper energy sources of wind and solar, rather than wasting money on polluting wood heating. United States. Department of Energy (DOE) and Biomass Companies. [DOE selects 6 projects to advance wood heater innovation and reduce wood heater pollution](#) Biomass Magazine. Project: Evaluation of the performance of particulate matter sensor technologies to cost effectively quantify emissions from wood heaters in the lab. wood burners as well as industrial biomass boilers. \$300,000 Partnering with Lawrence Berkeley National Lab, we're revolutionizing wood burning. smoke and informs the user and/or the stove control system. Alaska, Fairbanks. [Breathe Easy, Fairbanks: The Fight Against Wintertime Air Pollution - BNN Breaking](#) Wood smoke, a common source of space heating, emerges as the largest contributor to PM2.5 - fine particulate matter that poses significant health. Arizona, Maricopa County. [What new EPA standards for fine-particle pollutants mean for Maricopa County | Fronteras](#) Fronteras Desk. Burning wood, especially around no-burn days, setting off personal. The Maricopa County Air Quality Department uses several programs to reduce wood burning and the resulting pollution from fine particulate matter. Colorado, Denver. [Denver's communities of color breathe dirtier air than white residents, new research confirms](#) Denverite. One finding focused on a type of pollution known as PM 2.5, the technical name for dangerous particulates smaller than 2.5 microns in diameter. Connecticut. The Connecticut Department of Energy and Environmental Protection (DEEP) [DEEP Reminds Residents of Best Wood-Burning Practices - CT.gov](#) Burn the Right Wood, the Right Way, to Limit Smoke and Pollution. (HARTFORD) —particles produced when wood and other organic matter burn. In addition to particle

pollution, wood smoke contains toxic air pollutants, such as. Georgia, Floyd County. [Justice for Amber' billboards placed in Floyd County | News | floydct.com](#) Floyd County Chronicle. Fire from wood burning stove damages Newton house Sunday evening “We have \$6,100 in our account, which is enough to keep them another six months,” Illinois, Chicago. [Harvey firefighters battle 2 fires blocks away - ABC7 Chicago](#) Chopper7 flew above the scene showing heavy smoke coming out of a large structure. Traffic on Wood Street is closed between 152nd and 154th streets. Michigan, Dearborn. [City of Dearborn installs air quality monitors - WXYZ](#) PM, Feb 20, 2024. and last. According to the city, the monitors will track nitrogen dioxide, particulate matter 2.5 Montana. [Red Cross disaster volunteers respond to 25 Montana home fires in January - KPAX](#) wood-burning stoves and fireplaces. “Home fires can happen to anyone at burn. And never leave space heaters unattended. Avoid matches: Teach. Oregon, Eastern Oregon. [Red Cross of Idaho and Eastern Oregon home fire response update - KMVT](#) wood-burning stoves. Texas, Houston County. [Houston County gets a poor grade in their daily air pollution from the American Lung Association](#) 13WMAZ Boike said there are other risks to not paying attention to PM 2.5. We don't want to end up in nonattainment for that under the EPA standards. United Kingdom. [Clean air | Elmbridge Borough Council](#) From changing travel habits to careful use of open fires and wood-burning stoves, there are plenty of ways to reduce air pollution. United Kingdom. [Expansion of Oxford smoke control area closer to approval - BBC](#) BBC wood burner. Within a smoke control area, residents and businesses can still buy and use solid fuel and wood burning stoves or open fires. pollution across the city." She added the expanded area would "encourage everyone who uses solid fuel with wood burning stoves. United Kingdom, Oxford. [Oxford City Council pressing ahead with city-wide smoke control area - Yahoo News UK](#) Smoke Control Areas are zones in which air quality is improved by promoting more efficient and cleaner use of wood-burning stoves and open fires. United Kingdom, Oxford. [Smoke control area to be expanded across Oxford by Council](#) Oxford Mail, Smoke Control Areas are zones in which air quality is improved by promoting more efficient and cleaner use of wood-burning stoves and open fires. wood-burning stoves/open-fires, as long as they adhere to the guidelines. These are to use an approved wood-burning stove or equivalent appliance. Italy, Milan. [High levels of pollution prompt temporary vehicle ban in Milan - Cities Today](#) PM 2.5 limits in recent days. But the company has defended its data, saying that in Milan it tracks 11 stations run by four sources: IQAir India. [Smoking and Poor Air Quality Primary Causes of Lung Cancer in Northeast - Times of India](#) Particulate Matter 2.5 is a microscopic matter with a diameter of 2.5 PM 2.5 particles was notably high.” He further added that the PCB has. Indonesia, Jakarta. [Identifying the Main Sources of Air Pollution in Jakarta: A Source Apportionment Study - Vital Strategies](#). [Full Coverage](#) Thailand, Bangkok. [PM talks pollution with UN as blazes rage - Bangkok Post](#) particulate matter smaller than 2.5 microns (PM2.5). Mr Srettha shared with Ms Mohammed that pollution problems are linked to the global economy. Trees and Neutrino Detectors. [Seeing the wood for the trees: could forests be used as neutrino detectors? - Physics World](#) Trees could shed light on some of the most cataclysmic events in the universe, according to a particle physicist at the University of Kansas in.