

February 8, 2023 URL for Episode 50a, 50b, 50c, 50d, and 50d Ask for Comment on EPA PM2.5 limit lowered to 8 ug/m3 to be nearer to W H O limit of 5 ug/m3

EPA change of PM2.5 limit

### [Are The Proposed EPA Air Quality Standards Strong Enough To Tackle Pollution? - Forbes](#)

Forbes

... the EPA's plans to retain the current 24-hour PM 2.5 standard, ... that proves that fine particulate matter is even more dangerous to health ...

### [Impacts on the Western US from EPA Proposed Strengthening of Annual PM2.5 NAAQS](#)

JD Supra

Despite pressure from environmental groups and a recommendation by the majority of the CASAC to reduce the 24-hour standard for PM2.5, EPA proposes to ...

### [Replacing Wood Stoves Could Save \\$66 Billion In Healthcare Costs Annually - Forbes](#)

Forbes

Implementing adequate policies to replace wood and charcoal burning stoves could prevent at least 463000 deaths and \$66 billion in healthcare ...

### [When Were Radiators Invented? A Look at the History of Home Heating](#)

The Enlightened Mindset

In the early 1800s, homes were heated using fireplaces, wood-burning stoves, ... Additionally, they produced large amounts of smoke, which posed a ...

### [The presence of formaldehyde in wood smoke and in smoked foodstuffs - RSC Publishing](#)

RSC Publishing

The presence of formaldehyde in wood smoke and in smoked foodstuffs. E. H. Callow, Analyst, 1927, 52, 391 DOI: 10.1039/AN9275200391.

EPA proposal to change PM2.5 level limits from 12 ug/m3 down to 8 ug/m3 nearer to World Health Organization Limit of 5 ug/m3

### [Breathe Easy: U.S. EPA Seeks to Significantly Tighten Fine Particulate Matter Standards](#)

Foley & Lardner LLP

EPA is proposing to lower the primary NAAQS PM2.5 emission standard from 12 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to between nine and ten  $\mu\text{g}/\text{m}^3$ .

### [The EPA is increasing air quality standards. Will it help Augusta's air?](#)

The Augusta Chronicle

PM 2.5 is a type of fine particle humans can inhale. It was given its name because the particles are 2.5 micrometers or smaller.

### [EPA Proposes Tougher PM-2.5 Standard - EHS Daily Advisor](#)

EHS Daily Advisor - BLR

The EPA announced a proposal to strengthen the National Ambient Air Quality Standards (NAAQS) for fine particulate pollution (PM-2.5) on January 6 ...

### [EPA Proposes Revisions to Particulate Matter NAAQS Under the Clean Air Act - JD Supra](#)

JD Supra

Based on the scientific evidence and technical information, EPA has set two primary standards for PM2.5, which work together to protect public ...

#### [United States: EPA Proposes Tougher Air Quality Standards For Soot Pollution](#)

Mondaq

... the primary health-based National Ambient Air Quality Standard ("NAAQS") for fine particulate matter, known as PM 2.5, or more commonly, soot.

#### [Each Year, Smoke Particles From Human-lit Fires Cause More Than 80% Of ... -](#)

[Nature World News](#)

Nature World News

Smoke is harmful to your health. The smoke produced by any type of fire (forest, brush, crop, structure, tires, waste, or wood burning) is a mixture ...

#### [EPA's Proposal to Tighten the Fine Particulate NAAQS: What's Proposed, Who's Potentially Impacted](#)

JD Supra

The Proposed Rule would retain all other existing particulate matter standards (the primary 24-hour PM2.5 standard and the identical secondary ...

#### [How 80% of Premature Deaths in the US Are Linked to Human-Ignited Fires - Sportskeeda](#)

Sportskeeda

Fires release harmful pollutants into the air, including carcinogens (cancer-causing chemicals) and PM 2.5 particles. These particles cross our ...

#### [20,000 premature US deaths caused by human-ignited fires - Phys.org](#)

Phys.org

Their research shows that human-ignited fires account for more than 67% of small smoke particles called PM2.5 in the United States.

#### [Faith groups, environmental justice advocates urge EPA to go further in new soot pollution rules](#)

National Catholic Reporter

6 to strengthen existing limits on airborne fine particulate matter — known as PM 2.5, tiny particles one-thirtieth the width of human hair and ...

#### [Previously Considered Safe – Low Levels of Air Pollution Much Deadlier Than Scientists Thought](#)

SciTechDaily

According to the study, fine particulate matter is responsible for an ... Canada is a country with low levels of outdoor PM2.5, making it the ...

#### [Environmental Protection Agency Proposes to Strengthen National Ambient Air Quality Standard](#)

American Public Power Association

Primary NAAQS standards focus on public health protections against the health effects caused by exposures to PM 10 and PM 2.5, while secondary NAAQS ...

#### [EPA proposes change to national fine particulate pollution standards - Healio](#)

Healio

... seeking to change the annual fine particulate matter (PM2.5) standard ... the EPA's proposed change to the annual PM2.5 standard is finalized.

#### [After a Decade, Federal Officials Tighten Guidelines on Air Pollution - Inside Climate News](#)

Inside Climate News

Following years of appeals from environmental activists, the EPA has proposed new standards for harmful particles known as PM 2.5. Some advocates say ...

The Lancet (Medical Journal)

[US EPA proposes new airborne particulates rule - The Lancet Respiratory Medicine](#)

The Lancet

Particulate matter measuring 2.5 or fewer microns in diameter (PM2.5) can travel deep into the lungs and is tied to respiratory and cardiovascular ...

Smoke Interaction with Winter Inversions (Scientific Paper)

[Winter inversions lower air quality beyond EPA standards - The Daily Universe](#)

The Daily Universe - BYU

Among other things, the EPA tracks particulate matter (PM) that is released into the ... Smaller particles also exist, with a PM rating of 2.5.

Union of Concerned Scientists

[EPA Can Save Lives with Tighter Protections on Fine Particulate Pollution - UCS blog](#)

UCS blog - Union of Concerned Scientists

The soot particles in question are known as PM 2.5 for particulate matter that is 2.5 micrometers or smaller. This fine particulate often ...

Air Quality News

[Campaign launched to raise awareness of woodburning dangers - Air Quality News](#)

Air Quality News

Wood burning is a major source of fine particulate matter, which is one of the most harmful pollutants, yet people's awareness of this impact is low.

Alzheimer's Disease and Air Pollution

[AD Progression Adversely Influenced by Outdoor Air Pollution](#)

American Journal of Managed Care

... traffic-related air pollution, particulate matter, nitrogen dioxide ... higher risks were seen for incident AD with exposure to both PM 2.5 ...

Asthma and (Urban) Air Pollution

[Air Pollution in Urban Areas Linked to Asthma, Inflammatory Responses in Children](#)

HCPLive

Air quality index values and air pollutant concentrations for PM 2.5, PM 10, O<sub>3</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO, and Pb from the US Environmental Protection ...

[Asthma, A Public Health Problem | Salary - Nation World News](#)

Nation World News

... infrastructure and access to medicines should be strengthened: smoking, poor air quality and exposure to wood smoke". At the end of the forum, ...

COPD induced by Wood Smoke and Air Pollution

### [How Household Biomass Smoke–Associated COPD Differs From Cigarette Smoke–Induced COPD](#)

American Journal of Managed Care

Household use of solid fuels for cooking and heating, particularly wood, are the most widespread sources of indoor air pollution. About 2.8 billion ...

Chess Ability (Medical Paper) and Air Pollution

### [How air pollution can checkmate chess players - Firstpost](#)

Firstpost

Fine particulate matter or PM2.5 is an air pollutant that is 2.5 microns or less in width. PM 2.5 particles are mostly emanated from vehicles, burning ...

### [Economists Claim Virtual Pollution Ruins Your Chess Game | Science 2.0](#)

Science 2.0

Small micron particulate matter, commonly called PM2.5, needs an electron microscope to be visible to you but once real smog, PM10, ...

### [Even chess experts perform worse when air quality is lower, suggesting a negative effect on ...](#)

Phys.org

Fine particulate matter refers to tiny particles 2.5 microns or less in diameter, notated as PM2.5. They are often associated with burning ...

Hypertension and Air Pollution

### [What are the long-term effects of PM2.5 components on the prevalence of hypertension?](#)

News Medical

The fine particulate matter, i.e., components with an aerodynamic diameter  $\leq 2.5 \mu\text{m}$  (PM2.5), has been increasingly recognized as a cause of ...

Kidney Disease and Air Pollution

### [Short-term air pollution exposure associated with death from kidney diseases - BMC Medicine](#)

BMC Medicine - BioMed Central

Our study suggests that short-term exposure to ambient PM1, PM2.5, PM10, NO2, and SO2 might be important environmental risk factors for death due ...

Nuisance Odor and Air Pollution

### [What is Nuisance Odour? - Envirotech Online](#)

Envirotech Online

These odours can be caused by a variety of sources, including industrial facilities, sewage treatment plants, landfills, domestic wood burning, ...

Psoriasis and Air Pollution

### [Wildfire Air Pollution Linked With Increased Rates of Psoriasis Clinic Visits Among Adults](#)

American Journal of Managed Care

Concentration of PM 2.5 mcm or less in diameter ( PM2.5) measured at ground level; Smoke plume density (range, 0-3, where 0 indicates none, 1 ...

## Running Performance and Air Pollution

[Impact of air pollution on running performance | Scientific Reports - Nature](#)

Nature

Other pollutants like PM2.5 (particulate matter smaller than 2.5 microns) have been shown to yield impaired performance up to several days after the ...

Smoke interaction with Wildfires (Scientific Paper)

[Smoke-weather interaction affects extreme wildfires in diverse coastal regions - Science](#)

Science

S15, PM2.5 concentration soared by 300 µg/m<sup>3</sup> in the fire-prone areas. Such a spike in smoke pollution caused by fire-weather feedback would increase .

Bob Vila (TV Home Remodeling Program)

[Gas vs. Electric Fireplace: What's the Difference? - Bob Vila](#)

Bob Vila

While older homes typically have traditional wood-burning fireplaces, new construction homes often have gas or electric fireplaces instead since .....

NRDC (Natural Resources Defense Council)

[What the new Global Biodiversity Deal Means for Bioenergy | NRDC](#)

NRDC

But more and more countries that are cutting out coal are burning trees ... the global demand for wood pellets - the fuel that is burned in power ...

U.S. States

Alabama, St. Clair County

[Report shows cancer causing compounds in smoke from landfill fire - WVTM](#)

WVTM

... within several miles of the burning landfill in St. Clair County say they've known from the beginning that this was not just wood burning.

Alaska

[Alaska, feds clash in court over Fairbanks air quality regulation](#)

Alaska's News Source

Wood-burning stoves around Fairbanks have been scrutinized for years, and part of the SIP includes a move toward cleaner-burning models.

[State takes a stance against EPA's rejection of PM2.5 plan | Alaska News | newsminer.com](#)

Fairbanks Daily News-Miner

Wood smoke bellows from a stove stack along Farmers Loop Road as homes dot the hillside behind Monday morning, November 17, 2014. News-Miner photo.

[EPA presses state of Alaska to act on air pollution - Fairbanks Daily News-Miner](#)

Fairbanks Daily News-Miner

Wood smoke bellows from a stove stack along Farmers Loop as homes dot the hillside behind Monday morning, November 17, 2014.

Arizona

[CA WFO PHOENIX Warnings, Watches, and Advisories - SFGATE](#)

SFGATE

AIR QUALITY ALERT: MANDATORY WOOD BURNING CURTAILMENT IN EFFECT... The Imperial County APCD has declared a mandatory wood burning.

[CA WFO PHOENIX Warnings, Watches, and Advisories - Seattle PI](#)

Seattle PI

The Imperial County APCD has declared a mandatory wood burning. curtailment for residents within the Calexico area for today,. Advertisement.

[Lack of firewood for home heating continues to trouble Hopi people - KNAU](#)

KNAU

Many tribal members have switched from coal to wood to keep warm, ... Patricia Selestewa heats her home in Hotevilla with a wood-burning stove.

California

[EPA Accused Of Delaying Soot Reduction Plans In Calif., Pa. - Law360](#)

Law360

Los Angeles is considered a serious nonattainment area — in other words heavily polluted — for fine particulate matter, or PM 2.5, according to ...

[No-burn alert issued for Los Angeles, Orange, Riverside and San Bernardino counties - MSN](#)

MSN

A wood-burning ban has been issued by the South Coast Air Quality Management District for Saturday because air pollution levels are expected to be ...

California, Altamont

[When talking a walk is no longer a healthy thing to do | The Altamont Enterprise](#)

The Altamont Enterprise

... Doctors and Scientists Against Wood Smoke Pollution. He goes on to say, "When virtually any single particulate pollution that a person inhales ...

[When talking a walk is no longer a healthy thing to do | The Altamont Enterprise](#)

The Altamont Enterprise

Are you a person who thinks woodsmoke smells good? ... the head of an advocacy group called Doctors and Scientists Against Wood Smoke Pollution.

California, City of Davis

### [Letter: Toxic Fireplace Smoke Near Davis Elementary School This Morning](#)

Davis Vanguard

This screenshot at the Fire and Smoke map at [airnow.gov](http://airnow.gov) seems to confirm the presence of particulate matter (PM 2.5) at the yellow (moderate) ...

California, Laguna

### [Opinion: Green Light - Wood-burning Smoke is Deadly - Laguna Beach Local News](#)

Laguna Beach Independent Newspaper

The wood smoke in our south Laguna neighborhood was simply too acrid. Because this smoke pollution seems particularly bad at night, ...

California, San Clarita

### [No Burn Day Scheduled For This Weekend In Santa Clarita - KHTS](#)

KHTS

Smoke from wood burning can cause health problems, according to officials. Particles in wood smoke — also known as fine particulate matter or PM2.5 — ...

California, San Diego

### [Proposed pollution rules could help air quality in San Diego | KPBS Public Media](#)

KPBS

The EPA last changed the PM 2.5 standards in 2012. ... health protections against particulate matter is grounded in the best available science, ...

California, San Francisco

### [Letters: Sure, ban gas heaters. But why are we ignoring a larger air pollution problem?](#)

San Francisco Chronicle

Wood smoke is far more immediately dangerous than the noxious gasses from natural gas-burning appliances. The vast majority of people who use their ...

### [Letters: Banning S.F. police from making pretextual traffic stops will increase crime](#)

San Francisco Chronicle

But did you know wood burning can harm you and your family's health? Wood smoke, from fireplaces or wood stoves, is a major source of air ...

California, San Luis Valley

### [BLM plans two pile burns in San Luis Valley - Bureau of Land Management](#)

Bureau of Land Management

Pile burns are conducted each winter to remove dead wood and other ... Smoke from the pile burns will be visible throughout the day of a burn, ...

Colorado

### [Burn bans rescinded across El Paso County - Yahoo News](#)

Yahoo News

Outdoor burning concerns in Colorado Springs can be reported to the ... as well as compliant fireplaces and wood-burning stoves in private ...

Colorado, Eagle County

[Eagle County's new fire restriction ordinance removes criminal penalties for violators | VailDaily.com](#)

Vail Daily

Eagle County has made some fairly minor changes to its fire restriction ordinance. The ordinance applies only to property in unincorporated Eagle ...

[Forest debris burning happening in Summit County, Vail this week | SummitDaily.com](#)

Summit Daily

The U.S. Forest Service said in a statement Monday that firefighters would be burning large slash piles — which includes wood left over from ...

Indiana

[City Council Approves Use of Air Curtin Incinerator for Open Burn for Hunter Transit - WTCA](#)

WTCA

... or smoke, which results from burning clean wood waste. Using a technology called "air curtain," the smoke particles are trapped and reburned, ..

[Investigators say faulty stove likely to blame in southern Indiana fire that killed](#)

[3 - WLKY](#)

WLKY

A faulty wood-burning stove is likely to blame. ... the house from some type of smoke that was backing up inside the structure," Hartman said.

[Police: DNA to be used to ID 3 killed in Indiana house fire - AP News](#)

AP News

White said foul play is not suspected in the fire at the one-story home, which was heated by a wood-burning stove.

Kentucky, Salyersville

[From healthcare to hope: Emergency room staff works to get fire victim back on his feet](#)

WYMT

Frank's Prestonsburg home caught fire after an issue with his wood-burning stove, taking with it all of his personal belongings.

Nebraska

[No injuries in late night fire in Norfolk - NEWS CHANNEL NEBRASKA](#)

News Channel Nebraska

Officials said there was heavy smoke and flames coming from the building. ... to clean and maintain any wood burning furnaces and fire places.

New Hampshire

[One person killed in Langdon fire - Yahoo News](#)

Yahoo News

Jan. 19—LANGDON — A fire believed to be caused by a wood-burning stove that engulfed a shack or workshop at 3 Darby Brook Lane on Jan.



New Mexico, Sandoval County

[New burn ordinance passes second reading - Rio Rancho Observer](#)

Rio Rancho Observer

The Rio Rancho City Council voted unanimously on January 26 to adopt the new Chapter 93 Fire Code Burning Regulation Ordinance.

New York, Rochester

[Fire forces several East End businesses to close in Rochester NY - Democrat and Chronicle](#)

Democrat and Chronicle

Veneto Wood Fired Pizza & Pasta at 318 East Ave. and several neighboring businesses are. Veneto, in existence since 2001, sustained fire, smoke ...

North Carolina

[Why is Cape Fear on fire? | Port City Daily](#)

Port City Daily

All the toxins and particulates in wood smoke are a concern, but his monitors look at PM 2.5, a known harmful particulate. According to the EPA, ...

[North Carolina Trees Are Feeding Europe's 'Clean Energy' Revolution - The Assembly NC](#)

The Assembly NC

Scientists and environmental activists say there is little carbon benefit to burning wood pellets. But the industry has continued to grow in N.C..

Ohio, City of Mansfield

[City of Mansfield response criticized, outdoor burning concerns](#)

Mansfield News Journal

Letters to the Editor: Poor city response to problem, outdoor burning ... Firemen tell me these types of fires are allowed by law, if wood is ...

Oklahoma, Oklahoma City

[Man killed in early morning fire in Oklahoma City - KOKH](#)

KOKH

Fire officials said the man had a propane heater and a wood-burning stove to keep warm, which may have caused the fire.

[Oklahoma City crews responding to fire find man dead inside shed - KOCO](#)

KOCO

There was a wood burning stove that was nearby where the adult male was laying," Capt. Scott Douglas, with the Oklahoma City Fire Department,

Oregon

[State Wants Your Input for Locating More Air Quality Sensors, Feb.1 Deadline](#)

The Corvallis Advocate

SensORs, which were first developed by DEQ's Laboratory in 2019, are lower-cost monitors that collect timely particulate matter 2.5 data and ...

Oregon, Lane County, City of Eugene

[LRAPA discourages wood-burning fires for three Lane County cities - KLCC](#)

KLCC

Burning wood for heat and other purposes is being strongly discouraged between now 4:00pm today (1/24) and 4:00pm Thursday (1/26.).

[Air stagnation prompts LRAPA to declare 'Yellow' home wood heating days | KMTR](#)

KMTR

For those who do not have a secondary source of heating, LRAPA says to make sure to use seasoned wood with low moisture when burning a wood stove.

[Air stagnation prompts 'YELLOW' home wood heating days for Eugene, Springfield, Oakridge | KVAL](#)

KVAL

"It is cold outside, and Lane County's air will be stagnant much of this week," says Travis Knudsen, LRAPA spokesperson, "smoke from chimneys and wood ...

Oregon, City of Portland and Multnomah County

['Fireplace czar' explains county's rules limiting wood fires - East PDX News](#)

East PDX News

Jonathan Cruz highlights health dangers of "recreational" wood burning. "The main message that I talk about is simple: Wood smoke is a health hazard," ...d

['Fireplace czar' explains county's rules limiting wood fires - East PDX News](#)

East PDX News

However, you may not be aware of a recent Multnomah County ordinance, instituted two years ago, which also forbids burning wood in stoves, ...

Pennsylvania

[EPA Accused Of Delaying Soot Reduction Plans In Calif., Pa. - Law360](#)

Law360

Los Angeles is considered a serious nonattainment area — in other words heavily polluted — for fine particulate matter, or PM 2.5, according to ...

Utah

[Utah air quality is continuing to get worse, says USU professor | KSL.com](#)

KSL News

"And then on top of that ... the sun really pushes that photochemistry along that forms our pm 2.5 here in northern Utah," Martin explained.

[Dangers of tree thinning plan to save Great Salt Lake | Opinion - Deseret News](#)

Deseret News

Logging destroys forest carbon absorption, and burning the biomass ... For multiple reasons wood smoke is deadly, the most toxic type of air ...

[Letter: Utah's new flag should more honestly reflect our state's core values](#)

The Salt Lake Tribune

Black gunk billows out of the truck's tailpipes. Below it, another state motto. Utah! Come for the jello, stay for the PM 2.5. Mike Dunn, Draper.

Vermont

[Is burning wood really renewable? Reconsidering biomass in Vermont - WCAX](#)

WCAX

Our Kevin Gaiss looks at how burning wood fits into the state's climate goals. A cold, gray day means the McNeil Generating Station in Burlington is ...

[Is burning wood really renewable? Reconsidering biomass in Vermont - KWCH](#)

KWCH

While Burlington's McNeil Generating Station continues to pump out electricity for the city, Green Mountain Power and other utilities, ...

Washington, State of Washington, Yakima County

[Burn ban issued for Yakima County | News | nbcrightnow.com](#)

NBC Right Now

Under a Stage 1 burn ban: The use of uncertified wood stoves, fireplaces inserts and other uncertified solid fuel burning devices is prohibited. The ...

[Two injured escaping Toppenish house fire | Local | yakimaherald.com](#)

Yakima Herald

The fire's origin was determined to be the living room area near a wood burning stove, but the exact cause of the fire is still under ...

Washington, DC

[How to convert a gas fireplace to wood-burning or electric - The Washington Post](#)

The Washington Post

With pressure growing to ban natural gas in the home, experts explain what it takes to change a gas fireplace to wood-burning or electric.

Columbia, Bogota

[Be careful with the air quality south of Bogotá: they declare an environmental alert](#)

breakinglatest.news

February 4, 2023 – 12:34 PM ... in Bogotá, there has been an increase in the concentrations of particulate matter 2.5 due to the phenomenon of ...

Australia (Bushfire is the Australian word for the American word Wildfire)

[Higher levels of metal, sulfur in air linked to poor respiratory health in children - Healio](#)

Healio

“Increasing evidence suggests that the health effects of fine particulate matter (PM2.5) vary depending on the source and chemical composition of ...

#### [Bushfires appear to affect lung function of children with asthma - Healio](#)

Healio

Mean levels of particulate matter at the 2.5 µm scale (PM2.5) reached 35.7 µg/m<sup>3</sup> (standard deviation [SD], 16.8) on days with bushfires compared ...

#### [United Kingdom](#)

#### [Rise in UK wood-burners likely to be creating 'pollution hotspots' in affluent areas](#)

The Guardian

That means researchers could be missing the creation of new hotspots from wood-burning stoves, warned Gary Fuller, of the school of public health at ...

#### [Wood Stoves Could Cause 'New Air Pollution Hotspots' in the UK - EcoWatch](#)

EcoWatch

Many of the harmful chemicals found in tobacco smoke are emitted by wood burning, which may be even more toxic.

#### [Sixty seconds on . . . woodburners - The BMJ](#)

The BMJ

Relaxing on your sheepskin rug by the fire is all very cosy, but smoke from domestic closed woodburning stoves and open fires is responsible for ...

#### [HWFRS report an increase in chimneys and stove fires - The Worcester News](#)

The Worcester News

THE "spiralling" cost of gas and electricity has led to a huge increase in chimneys and wood-burning stove incidents as families try to keep warm.

#### [How to get rid of a wood-burning stove | Air pollution - The Guardian](#)

The Guardian

Wood-burning stoves have become a key talking point in England as the cost of gas and electricity soars, and people have started to burn wood for ...

#### [What is the best alternative to a wood-burning stove? - The Guardian](#)

The Guardian

Gas fires. Though expensive to run at current prices, they give off more heat than a wood-burner. It is not the most climate-friendly ...

#### [Wood-burning stoves attract thousands of neighbour complaints – but just two fines in six years](#)

The Telegraph

Wood-burning stove users reported by their neighbours in pollution hot spots ... unauthorised wood-burning stoves or fuels in smoke control areas.

#### [Log burner owners could be hit with a '£300 fine and criminal record' - how to avoid](#)

Daily Express

Some 1.5 million homes in the UK use wood for fuel but burning wood and coal in open fires and stoves is responsible for almost two-fifths (38 ...

[Readers' poll: Should wood-burning stoves be banned? | Comment | The Sunday Times](#)

The Times

The clampdown is designed to reduce particulate air pollution. However, environmental campaigners say the measures do not go far enough, and the use ...

[Worst particle pollution in London for six years | Register - The Times](#)

The Times

Householders who flout air pollution rules on wood-burning stoves could be fined £175 to £300 and even get a criminal record (Times news, ...

[Councils say they lack funds to enforce stricter limits on wood burners | Air pollution](#)

The Guardian

Wood-burning in urban areas is an increasing source of harmful air pollution, as people install stoves for aesthetic reasons or to save money on ...

[What is the best alternative to a wood-burning stove? - The Guardian](#)

The Guardian

As wood-burning stoves have become a talking point in England after ... Converting your wood-burner to a gas fire typically costs between £600 and ...

[Is this the end for England's wood-burning stoves? - Daily Kos](#)

Daily Kos

England has moved to ban wood-burning stoves as it looks to push active policies on environmentalism and pollution. Many people view the ...

[How to get rid of a wood-burning stove | Air pollution - The Guardian](#)

The Guardian

But there have also been warnings that stoves cause significant air pollution, releasing fine particulate matter known as PM2.5 that has dire ...

['A serious threat': calls grow for urgent review of England's wood-burning stoves - The Guardian](#)

The Guardian

Andrea Lee, from the charity, said: "Pollution from wood-burning is a growing source of fine particulate matter pollution in some areas, ...

[Log burner rule change in England could land users with £300 fines - BBC News](#)

BBC

This means a wood-burning stove emits more particles per hour than a ... In a bid to try and cut particulate matter, last year the government ...

[Why using the wrong wood in your burner could land you with a £300 fine - CoventryLive](#)

Coventry Telegraph

The Department for Environment, Food and Rural Affairs says log burners are the biggest source of particles of air pollution, called fine particulate ...

[Could you be hit with a £300 fine and criminal record over your wood-burning stove? - ITV](#)

ITV

What is the problem with wood burners? Burning wood releases harmful pollutants, such as tiny particles called particulate matter, straight into ...

[Woodburning stove could leave you with a £300 penalty or criminal record under new regulations](#)

Daily Mail

A million Brits who own wood-burning stoves could be fined £300 and ... Emissions of PM2.5 - 'particulate matter' less than 2.5 micrometres in ...

[Yes, I own a wood-burning stove. The shame . . . | Times2 | The Times](#)

The Times

A new “eco-design” wood-burner may not emit as much visible smoke but it still emits 750 times more tiny particulate matter than an HGV lorry, ...

[Yes, I own a wood-burning stove. The shame . . . | Times2 | The Times](#)

The Times

A new “eco-design” wood-burner may not emit as much visible smoke but it still emits 750 times more tiny particulate matter than an HGV lorry, ...

[Log burner owners in England risk £300 fine after rule change - Berkshire Live](#)

Berkshire Live

A wood burning stove, therefore, emits more particles on an hourly basis than a diesel lorry. In addition to limiting how much PM2.5 wood burners ...

['A serious threat': calls grow for urgent review of England's wood-burning stoves | Air pollution](#)

The Guardian

There will also be tighter regulation of new wood burners, which in designated “smoke control areas” will be allowed to produce no more than 3g of ...

[How to get rid of a wood-burning stove | Air pollution - The Guardian](#)

The Guardian

Wood-burning stoves have become a key talking point in England as the cost of gas and electricity soars, and people have started to burn wood for ...

[Wood burning stoves could land owners with £300 fine and criminal record after sales...](#)

LBC

A wood burning stove could land urban homeowners with £300 fines and a criminal record as the Government clamps down on dirty appliances.

[Log burner rule change in England could land users with £300 fines - BBC News](#)

BBC

A tightening of emissions regulations has reduced the amount of smoke new ... This means a wood-burning stove emits more particles per hour than a ...

[Wood-burning stoves attract thousands of neighbour complaints – but just two fines in six years](#)

The Telegraph

Wood-burning stove users reported by their neighbours in pollution hot spots ... unauthorised wood-burning stoves or fuels in smoke control areas.

[Wood Burning Stoves - Leicestershire Live](#)

Leicester Mercury

Rules and regulations on Wood Burning Stoves and log burners are changing. More alternatives to heating your home here. Homes with Wood Burning ...

### [How bad are wood-burning stoves for the environment? - The Times](#)

The Times

Wood burning is responsible for more PM2.5 — tiny particles 2.5 microns across that are linked to heart and lung problems — than traffic. That's why ...

### [Brits warned of £300 wood burner fine and criminal record amid rule change](#)

Derby Telegraph

However, the new wood burning stove laws have been put in place in a bid to reduce harmful emissions, as the appliances are said to account for around ...

### [Woodburning stoves face tougher restrictions - The Telegraph](#)

The Telegraph

Wood-burning stoves face tighter restrictions in pollution hotspots under Government plans to improve air quality. New stoves will have stricter ...

### [Thérèse Coffey admits UK can't achieve air pollution target advised by experts](#)

The Guardian

Wood-burning stoves, which are usually expensive to install, are increasingly being used in urban areas for aesthetic reasons, and are now the main ...

### [Worst London air pollution in six years as home fires burn - The Guardian](#)

The Guardian

Wood fires produce more particle pollution than traffic exhausts in UK, ... Home wood burning played a large role in the pollution peaks last ...

### [Letters · LRB](#)

London Review of Books

Burning Questions. Fraser MacDonald draws attention to the negative health effects of domestic wood burning (LRB, 5 January). He is right ...

### [Warning to anyone with a wood burning stove as new rules come into force - Liverpool Echo](#)

Liverpool Echo

The popularity of wood burners is on the up due to the spiralling cost of gas and electricity.

### [Warning as Gateshead home destroyed by raging fire sparked by wood burning stove](#)

Chronicle Live

A woman was left with burns and saw her home burned down after using a wood burner to save on energy bills.

### [Greenpeace accuses Treasury of distorting its stance on biomass burning - The Guardian](#)

The Guardian

But in a briefing note to a minister before a meeting with Drax – formerly a coal-fired power station operator and now a major burner of wood for ...

### [Full list of smoke control areas for houses with wood burning stoves - Leicestershire Live](#)

Leicester Mercury

Many councils of England are classed as smoke control areas, this means only certain fuels can be burnt in select wood burning stoves.

### [Warning issued to millions of homeowners with log burners after rule change](#)

### [Manchester Evening News](#)

The new wood burning stove laws have come into force to reduce harmful ... If you are in a smoke control area you will need to look for a wood ...

### [Warning issued about how to heat homes safely after fire destroys Chopwell bungalow - ITV](#)

ITV

A bungalow in Chopwell was badly damaged after a wood burning stove ... a visit to ensure smoke alarms work and are in the correct position.

### [Warning to anyone with a wood burning stove as new rules come into force - chof360](#)

chof360

Wood burning stoves can be a cosy addition to any home but those looking to switch to solid fuel alternatives should be aware of recent law changes ...

### [Take A Look At Your Indoor Air Quality - Cheshire Herald](#)

Cheshire Herald

The more robust smoke to cause concern is wood smoke, which is a combination of gases and microscopic particulate matter. Even with an airtight ...

### [What are the new law changes affecting wood burning stoves? - Wales Online](#)

Wales Online

Over a million-and-a-half people in the UK have a wood burning stove warming their homes.

### [GMICP: Beware of health and pollution risks of fires and woodburners | The Bolton News](#)

The Bolton News

... the smoke produced when wood and other solid fuels are burned contains tiny harmful ... If you burn wood, make sure it's dried properly.

### [Pollutionwatch: citizen science helps raise alarm on UK air pollution - The Guardian](#)

The Guardian

... "I began making measurements out of concern about wood smoke pollution from the proliferation of domestic solid fuel burning in Chorley.

### [Man fined after 'pungent and acrid' smell from chimney sparks neighbour complaints](#)

The Mirror

A man has been fined a total of £330 after burning treated wood at his home ... a council enforcement officer saw smoke coming from the chimney on ...

### ['A roaring fireplace': the polluting raffle prize promoted by the British Heart Foundation](#)

The Guardian

The British Heart Foundation (BHF), which has campaigned on the pollution risks of burning wood at home, is being urged to review a charity draw ...

### [Country folk need wood-burners — but townies don't | Comment | The Sunday Times](#)

The Times

George Monbiot and his supporters condemn all wood-burners, saying they are a "public health disaster" ("Is your trendy wood-burner a dirty secret ...

### [Expert comments on wood burners after Lancaster council warns householders to cut back ...](#)

Lancaster Guardian



"Those with wood burning stoves should look out for the Ready to Burn logo, which means it is certified as having a moisture content of less than 20%.

Burning wood for heating warning from environment bosses after man fined - Gloucestershire Live  
Gloucestershire Live

He was burning waste wood for the provision of heating and hot water - but it contained toxic chemicals such as paints and creosote which give off ...

Wood pellets shortage make UK households burn cat litter - Energy Live News  
Energy Live News

A growing shortage of wood pellets has forced British households to burn cat litter to heat their homes. A new report by the Daily Telegraph cites ...

Successful prosecution for burning of chemically treated waste wood  
Tewkesbury Borough Council

Tewkesbury Borough Council has successfully prosecuted an individual for the burning of chemically treated waste wood on a domestic boiler.

Ireland

[The big question: Should we keep the home fires burning? - The Clare Champion](#)

The Clare Champion

The one with the worst health effects is called fine particulate ... Peat sod emits more than six times the amount of particles as dry wood, ...

European Union

[Exposed: How EU countries use firewood to bloat their renewable energy stats](#)

EURACTIV.com

... national statistics after several EU countries reported a sudden increase in residential wood burning to meet their 2020 renewable energy goals.

[EU Pushes For Stronger Air Pollution Rules - Health Policy Watch](#)

Health Policy Watch

The new rules aim to limit PM2.5 and NO2, the two deadliest air pollutants, to 10 µg/m3 and 20 µg/m3 respectively, which the EU says will cut ...

[related deaths among children under 5 years of age in 17 low- and middle-income countries](#) - ScienceDirect.com

Portugal

[Sooty or Sweep! - The Portugal News](#)

The Portugal News

Wood smoke contains 'matter particulates' which are tiny particles that can easily travel deep into your lungs when you breathe.

Ukraine

[Ukraine war: Hiding from Putin's call up by living off-grid in a freezing forest - BBC News](#)

BBC

He cooks using a makeshift wood-burning stove. "I have oats, buckwheat, tea, coffee, sugar. Not enough fresh fruit and vegetables of course, ...

Finland

[3500+ hot spots detected by satellite on Sunday, raising pollution concerns](#)

Thai PBS World

... by the Suomi NPP satellite, raising serious concerns over forest fires, cross-border pollution and PM 2.5 dust during the dry season.

Africa

[Half A Million Lives Could Be Saved Yearly By Replacing Wood And Charcoal Stoves In Africa](#)

Eurasia Review

OnStove modelling shows that replacing traditional wood- and charcoal-burning stoves in sub-Saharan Africa could avert as many as 463,000 deaths every ...

South Africa

[Projects Open for Public Comment: 6 February, 2023 - Verra](#)

Verra

... AS Koc Kirsehir Biogas Power Plant – closes 2 March; Installation of high efficiency wood burning cookstoves in South Africa – closes 2 March ...

Asia

Bangladesh

[Dealing with air pollution to protect human rights | The Daily Star](#)

The Daily Star

... indicating high percentage of PM 2.5 and PM 10, respectively, referring to 'particulate matter less than 2.5 microns and 10 microns'.

China

[China's stricter clean heating policies may have saved thousands of lives – study](#)

EurekaAlert

From 2015 to 2021, the impact of winter heating on China's capital and 27 other cities saw concentrations of fine particulate matter (PM2.5) from ...

[Nocturnal pollution is a rising public health threat in China - Earth.com](#)

Earth.com

... radicals (PNO3) that may have a significant impact on health-threatening levels of ozone and fine particulates (PM2.5) in the atmosphere.

[Health Risks Associated with China's "Dark" Side of Air Pollution - AZoCleantech.com](#)

AZoCleantech.com

... ozone and fine particulates (PM2.5) in the atmosphere. ... regulate the formation of key air pollutants including both ozone (O3) and PM2.5.

#### [Trends in the burden of COPD in China | RMHP - Dove Medical Press](#)

Dove Medical Press

Objective: Exposure to ambient particulate matter (PM2.5) is the leading risk factor for developing chronic obstructive pulmonary disease (COPD) in ...

India

#### [Explainer: What does an AQI of 450 mean? Is it just a winter thing? - Business Standard](#)

Business Standard

PM 2.5 refers to inhalable particulate matter that can enter the bloodstream and has several health impacts. A level of 250 µg/m<sup>3</sup> is four times the ...

While Delhi's air quality, on which mainstream media focuses, improved slightly, smaller towns--Ambala, Khanna, Kurukshetra and Ludhiana--had severely polluted air (AQI over 400) on November 9, according to the [air quality](#) index bulletin published by the Central Pollution Control Board (CPCB).

But what does having an AQI over 400 really mean?

For one, it means that people are breathing air that has an average concentration of 250 micrograms of PM 2.5 per cubic metre (µg/m<sup>3</sup>) in a day, according to the AQI-to-concentration converter. PM 2.5 refers to inhalable particulate matter that can enter the bloodstream and has several health impacts. A level of 250 µg/m<sup>3</sup> is four times the permissible amount--60 µg/m<sup>3</sup> over a 24-hour period--according to the standards defined by the CPCB.

#### [Norway's Climate Investment Fund Norfund to Invest Rs 500 Cr in SAEL - Energetica India](#)

Energetica India

Fine particle matter (PM 2.5) levels rise with the yearly burning of crop stubble and contribute to some of the world's worst air quality.

#### [Chennai: Yellow alert issued as AQI crosses 100; pollution likely to increase - Times Now](#)

Times Now

The pollutant in all the stations is PM2.5 which is a tiny particulate matter of diameter 2.5 or less than 2.5 microns that can enter deep into the ...

#### [4 years after clean air mission, 'marginal' gain in some cities - Times of India](#)

Times of India

The cleanest city with a PM 2.5 concentration of 26.33 ug/m<sup>3</sup> is Srinagar whereas Kohima emerged as the cleanest in terms of PM10 concentration ...

#### [India Added 180 Air Quality Stations, Over 600 Needed in 2 Years: Report - NDTV.com](#)

NDTV.com

1.5 Million People Die Every Year Due To PM 2.5 Air Pollution: Report · Over 60% Decline In PM 2.5 Pollution In Delhi This Diwali Compared To 2021 ...

#### [Delhi remained most polluted city in 2022: NCAP tracker - The Indian Express](#)

The Indian Express

The analysis has however revealed that PM 2.5 levels in the city has shown a 7% improvement from 108 ug/m<sup>3</sup> in 2019. The analysis, which has been ..

#### [Rising air pollution shrouds Kashmir skies](#)

Greater Kashmir

With the onset of winter, High Particulate Matter (PM 2.5) levels have been detected in air in Kashmir especially in its summer capital Srinagar.

#### [Burning of twigs, dry leaves for warmth & vehicles biggest pollutants in Delhi, shows study](#)

ThePrint

Biomass burning (wood, stubble, etc.), vehicular emissions and dust (road and construction) were the other major sources of PM<sub>2.5</sub> in the last one ...

Pakistan, Islamabad

#### [Capital's air quality remains unhealthy despite rain - The Express Tribune](#)

The Express Tribune

... metropolis remained high since the onset of the fall season as prolonged dry weather, increased vehicular traffic and wood burning continued.

The Philippines

#### [Estimating the Health & Economic Cost of Air Pollution in the Philippines](#)

Centre for Research on Energy and Clean Air

... guidelines of annual average air pollution exposure to 5µg/m<sup>3</sup> from 10µg/m<sup>3</sup> for PM<sub>2.5</sub> and to 10µg/m<sup>3</sup> from 40µg/m<sup>3</sup> for nitrogen dioxide (NO<sub>2</sub>).

Thailand

#### [Thai DMS chief warns PM2.5 can cause serious illnesses to children - Pattaya Mail](#)

Pattaya Mail

Dr Thongchai warned about the health impact of Particulate Matter 2.5 (PM<sub>2.5</sub>), which has been accumulating in many regions of Thailand and noted ...

#### [Industry president urges long-term fix to PM2.5 - Bangkok Post](#)

Bangkok Post

Meanwhile, the Royal Thai Navy is also speeding up the installation of 13 air purifiers across Bangkok to help deal with a high volume of PM 2.5 ...

#### [Thailand reports unsafe PM 2.5 in 43 provinces; Bangkok announces work from home](#)

Pattaya Mail

The levels of particulate matter 2.5 micrometers and less in diameter exceeded its safe threshold in 43 provinces this morning as many schools in ...

#### [Air pollution hits unhealthy levels in Bangkok - Pattaya Mail](#)

Pattaya Mail

An increase in PM 2.5 dust particle levels is caused by a cold mass air from China. The change of wind direction blows the dust from Cambodia to ...

