



Indoor Residential wood stove burner burns cord wood in certified wood stove at 2 grams PM2.5 emissions per hour 24 hours a day. Has neighbors 20 feet and 80 feet away from stack. Even though **burner uses certified wood stove, burning with PM2.5 emissions at 2 grams per hour**, at his two nearest neighbors' PM2.5 monitors the readings 24 hours a day would exceed EPA ambient average limit of 35 micrograms per cubic meter PM2.5 in a 24-hour period by 89.75% for the house 20 feet away and exceed ambient limits by 10.5% at the house 80 feet away.

To remedy this, still using a certified wood stove, the burner would have to **burn only 5.3 hours a day out of 24 to stop the excess air pollution** at the nearest neighbor's house and **burn only 21.5 hours out of 24 to stop the excess air pollution** at the 2nd nearest neighbor's house. **This would be hard for the EPA to monitor and would rely on a burner "honor system" to report the burner's daily wood stove use.**

Use a complaint-based system instead of certified wood stoves



1st nearest neighbor 20 feet away from wood burning stack, has solar panel heat and a PurpleAir PM2.5 monitor hanging from eaves
20 feet away from the stack of an indoor residential wood burner, data shows PM2.5 emissions **above the current EPA ambient average limit in a 24-hour period by 89.75%.**



2nd nearest neighbor 80 feet away from wood burning stack, has solar panel heat, and a PurpleAir PM2.5 monitor hanging from eaves
80 feet away from the stack of an indoor residential wood burner, data shows PM2.5 emissions **above the current EPA ambient average limit in a 24-hour period by 10.5 %.**

Use a complaint-based system with data from PurpleAir PM2.5 monitors as proof of excess air pollution, instead of using certified wood stoves. Replace wood stove home heating with Heat Pumps that work at temperatures down to 40 degrees below zero Fahrenheit, with low or no emissions.



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<https://rawsepresidents.wordpress.com> NEW YORK (AP) Instead of inserting Heimlich maneuver instructions into packaging, Trader Joe's is recalling two cookie products because they may contain rocks, the grocery chain announced Friday. The recall impacts Trader Joe's Almond Windmill Cookies with "sell by" dates by 10/2023. According to Trader Joe's, the recalled cookies have been removed from store shelves and destroyed, but the company is urging consumers to check their cabinets and get a refund. RAWSEP View: What if indoor residential wood burning stoves emitted PM2.5 and CO2 at unsafe levels, above emissions of coal burning and emitted PM2.5 at 450 times the level of natural gas burning? Those are the true emission levels of indoor residential wood burning stoves. Would the U S Environmental Protection Agency (E P A) recall those unsafe wood burning stoves, or would the E P A simply put instruction on websites to use a different kind or moisture content of wood to burn? What if Biomass (wood burning) plants emitted PM2.5 and CO2 at unsafe levels, above emissions from the coal burning plants that they replaced? Would the EPA shut down those polluting wood burning plants, but hold out the empty promise of carbon capture after the fact from those wood burning plants? When cookies may contain rocks, the cookies are recalled. Heimlich maneuver instructions aren't added to the cookie packaging instead. Indoor residential wood stoves could be recalled, and replaced by truly clean, low or no pollution emitting methods of home heating, such as Heat Pumps that work at temperatures down to 40 degrees below zero Fahrenheit, powered by a smart electric grid that extends even to all rural areas, and powered by wind, solar, geothermal, and hydro power. Right now there are exchanges of wood stoves for Heat Pumps, or subsidies for Heat Pumps. This is being done on too small a scale right now. And there is no recall of polluting wood stoves. London, England's Mayor Sadiq Khan rescinded his 2018 approval of the cleanest, safest wood burning stove in the United Kingdom (U K), the Ecodesign Stove, on 7/22/2023, citing the health effect of wood burning stove emissions, and their effect on climate change. The rescinding of approval of the stoves wasn't quite a recall, but was a first step. PM2.5 from indoor residential wood burning in London, and other parts of the U K now exceeds that of PM2.5 pollution from traffic. PM2.5 is 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. PM2.5 also contributes to climate change. Instead of recalling highly polluting indoor residential wood stoves and shutting down highly polluting Biomass (wood) burning plants, the U S subsidizes Biomass (wood) burning plants (pays plant owners to stay in business even when they are losing money), and the U S subsidizes Carbon Capture "research" which has been going on for decades and has not be applied successfully at any Biomass (wood) burning power plant in the United States (pays Carbon Capture researchers for their extremely expensive research, even if researchers have not been successful in capturing carbon after the fact, after it has been emitted from wood burning plants). The Ask: Please Contact 13 Assistant Attorneys General about an August 2023 suit versus E P A asking for "certainty" for wood stove users. RAWSEP asks for a complaint based system based on PM2.5 monitor data exceeding E P A PM2.5 "safe" limits, using fenceline measurements at yards of near neighbors. Dear 13 Assistant Attorneys General suing the EPA to provide clarity to indoor residential wood stove owners on certification of their currently used, and currently polluting, appliances The states involved are Alaska, Illinois, Maryland, Massachusetts, Minnesota, New Jersey, New York, Oregon, Vermont, and Washington, as well as the Puget Sound Clean Air Agency. PDF letters & emails of website of 3 NIH or NIAID officials about antibiotic resistance from PM2.5 and to 13 Assistant Attorney Generals.

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