# RAWSEP: Residents against wood smoke emission particulates

Don't burn wood, period. Don't burn wood in an Outdoor Wood Boiler or an indoor wood stove. You can make a difference today by stopping burning wood. **Particulates from wood burning cause heart attacks, stroke, cardiovascular disease, COPD, pulmonary disease, lung cancer, asthma and cataracts.** Burning wood produces more particulates and as much CO2 as coal burning. Particulates (Black Carbon, soot) are the second leading cause of climate change. Stopping particulate production is the quickest way to slow climate change. Better insulation and a natural gas furnace is a bridge to the cleaner residential and hot water heating sources of geothermal, solar and wind. Don't wait for a Particulate Alert in your area to stop burning

A Indiana Statewide Rule on OWBs is needed Because local boards are inconsistent in passing ordinances such as the following example (proposed in 2009)

Model City Ordinance to ban Outdoor Wood Boilers

AN ORDINANCE AMENDING ___ CITY CODE TO BAN THE INSTALLATION, OPERATION, AND USE OF OUTDOOR WOOD OR COAL FIRED BOILERS OR FURNACES

Whereas, the use of outdoor wood or coal fired boilers and furnaces is declared to be a nuisance due to the large volume of smoke produced and released low to the ground which will add to the pollutant levels in the air and can cause or contribute to short-term health problems such as eye, nose, throat and lung irritation, coughing and shortness of breath, and may exacerbate asthma and other lung-related illnesses; and

Whereas, the general population density in the City limits means that the negative aspects of low-to-ground wood and coal smoke is more likely to occur causing the-health problems, listed above and greatly diminishes the use and enjoyment of the neighborhood property; and

Whereas, to protect air quality and public health, the City of ___ Engineering Dept., Bldg. Inspection Div. recommends this ordinance…

**RAWSEP**

http://rawsep.wordpress.com;
http://woodsmokeworld1.wordpress.com;
http://woodsmokehnuisance.wordpress.som;
http://woodsmokehaz1.wordpress.com;
http://woodsmokehaz2.wordpress.com;
http://woodsmokehaz3.wordrdpresscom;
http://woodsmokehaz4.wordpress.com;
http://woodgasifiicaton.wordpress.com

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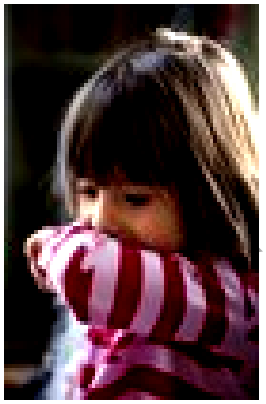
One OWB (Outdoor Wood boiler) (Also known as "hydronic heater") produces 1800x, and one wood stove can produce 400x the particulates of one residential

http://rawsep.wordpress.oom;
http://woodsmokeworldl.wordpress.com

# This Could Happen to you

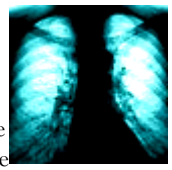
Outdoor Wood Boilers are designed to smolder. The main benefit of Outdoor Wood Boilers to their owners is that they shunt wood smoke from the owner's property onto their neighbor's property. Temperature inversions drive smoke low to the ground. Wood smoke can seep through sealed windows and closed doors. Neighbors of OWB owners wake in the middle of the night unable to breathe. Wood smoke causes **heart attacks, stroke, cardiovascular disease, COPD, pulmonary disease, lung cancer, asthma and cataracts.** The American Lung Association says about wood smoke: WHEN YOU CAN'T BREATHE, NOTHING ELSE MATTERS.



Help us ask for **stricter** PENDING

**Indiana statewide Outdoor Wood Boiler regulations** like those in Washington State and New Jersey, and those pending in New York, Ohio, Pennsylvania and Rhode Island. Hydronic Heater means OWB. A pending wood stove ordinance in Fairbanks, Alaska is also a model for our group.

**Email RAWSEP Residents Against Wood Smoke Emission Particulates at rawsep@live.com**
**Visit http://rawsep.wordpress.com**



INDIANA OWB Rules The second notice comment period has been published in the Indiana Register and is now available on the Indiana Register Web site. The LSA number for this rulemaking is #05-332. Outdoor Hydronic Heater Public Hearing - Preliminary Adoption: Sept. 1, 2010.

Sec. 5. (a) No person shall operate an outdoor hydronic heater from May 1 to September 30 unless the outdoor hydronic heater has been certified, as set forth in section 6 of this rule, to meet the Phase 2 emission limit established in section 3 of this rule. (b) No person shall burn any of the following items in an outdoor hydronic heater: (1) Any wood that does not meet the definition of clean wood. (c) Home heating oil, natural gas, or other fuels recommended by the manufacturer may be used as a starter fuel for dual-fired outdoor hydronic heaters. (d) No person shall cause or allow the emission of a smoke plume from an outdoor hydronic heater to exceed an average of twenty percent (20%) opacity, a measure of the amount of light obscured by particulate pollution, for six (6) consecutive minutes in any one (1) hour period. Upon initial firing of the unit where no coal bed exists, visible emissions may not exceed forty percent (40%) opacity for twenty (20) consecutive minutes during the start-up period. (e) Outdoor hydronic heaters must comply with all applicable: (1) state and federal laws; and (2) local ordinances.

#05-332 (APCB) Outdoor Hydronic Heaters Susan Bem Mail Code 61-50Rule and SIP Development Section Office of Air Quality Indiana Department of Environmental Management 100 North Senate Avenue Indianapolis, Indiana 46204 (Also send via FAX: (317) 233-5967) Email http://www.in.gov/idem/5273.htm

Email your local health department.

E-mail: rawsep@live.com