

**James E. Houck**  
**Selected Publications, Reports, and Presentations**

**Biomass Combustion**

Emission Factors for Aged Uncertified Residential Cordwood Heaters – with Lyrik Y. Pitzman and Paul Tiegs, in Proceedings of the 17th International Emission Inventory Conference, Inventory Evaluation - Portal to Improved Air Quality, Sponsored by Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, June 3-5, 2008

Emission Factors for New Certified Residential Wood Heaters – with Lyrik Y. Pitzman and Paul Tiegs, in Proceedings of the 17th International Emission Inventory Conference, Inventory Evaluation - Portal to Improved Air Quality, Sponsored by Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, June 3-5, 2008

The California Syndrome: Wood-Burning Regulations, *Hearth & Home*, pp. 38-42, 44, May 2008

Beyond a Kernel of Truth, with Lyrik Pitzman, *Hearth & Home*, pp. 135, 137, 140, February 2008

The Green Movement, *Hearth & Home*, pp. 56-58, 60, 62, February 2008

Camping: An Opportunity, with Lyrik Y. Pitzman, *Hearth & Home*, pp. 24-36, January 2008

Global Warming Reduction Benefits from the Use of Pellet Fuel for Residential Heating - with Paul Tiegs, presentation for The 2007 Annual Conference of the Pellet Fuels Institute, July 2007

Phase II of the Libby, Montana Woodstove Changeout Program – with Brian N. Eagle, report to United States Environmental Protection Agency, September 5, 2007

Phase I of the Libby, Montana Woodstove Changeout Program, with Brian N. Eagle, report to the United States Environmental Protection Agency, September 5, 2007

Uncle Sam is the Man, with Brian N. Eagle, *Hearth & Home*, pp. 68-69, May 2007

Global Warming Reduction Benefits of Manufactured Biowax-Fiber Fireplace Logs, with Paul Tiegs, Report prepared for Duraflame, Inc., March 27, 2007

Facts, Figures & the Future, *Hearth & Home*, pp. 44-55, March 2007

California Dreaming, February 2007, Hearth & Home, pp. 36-37, James E. Houck and Brian N. Eagle

Hardwood or Softwood? – with Brian N. Eagle, Hearth & Home, pp. 49-50, January 2007

Control Analyses and Documentation for Residential Wood Combustion in the MANE-VU Region – Final Report – with Brian N. Eagle, report to Mid-Atlantic Regional Air Management Association, December 2006

Residential Wood Combustion Emission Inventory South Coast Air Basin and Coachella Valley Portion of Salton Sea Air Basin, 2002 Base Year – with Brian Eagle, report to South Coast Air Quality Management District, October 2006.

Control Analyses and Documentation for Residential Wood Combustion in the MANE-VU Region, Cost Benefit Analysis – with Brian Eagle, report to Mid-Atlantic Regional Air Management Association, October 2006.

Control Analyses and Documentation for Residential Wood Combustion in the MANE-VU Region, Emission Inventory – with Brian Eagle, report to Mid-Atlantic Regional Air Management Association, August 2006.

Conventional Heater Baseline Study – with Lyrik Pitzman, Brian Eagle, and Ryan Smith, report to Hearth, Patio, and Barbecue Association and Environment Canada, July 2006.

Dioxin/Furan Emissions, General Emissions, and Fuel Composition of Duraflame Firelogs and Douglas Fir Cordwood – with Lyrik Pitzman, Brian Eagle, and Ryan Smith, report to Puget Sound Clean Air Agency and Environment Canada, May 2006.

Control Analyses and Documentation for Residential Wood Combustion in the MANE-VU Region, Activity – with Gary Nelke and Brian Eagle, report to Mid-Atlantic Regional Air Management Association, March 2006.

The Fireplace Marketplace, Hearth & Home, pp. 56-64, March 2006.

Prioritization of Eastern PM<sub>2.5</sub> Non-Attainment Areas for Wood Heater Change-Out Programs – with Brian Eagle and Gary Nelke, report to Hearth, Patio and Barbecue Association, March 2006.

What Took So Long?, Hearth & Home, pp. 12-14, January 2006.

Air Emissions and Product Characterization of Wax/Fiber Firelogs Sold in the Great Lakes Region, report to U.S. Environmental Protection Agency, Region 5 and Environment Canada, December 2005.

Efficiency Is in the Eye of the Beholder – with Paul Tiegs, Hearth & Home, pp. 85-86, November 2005.

Pittsburgh: The Beginning – with Paul Tiegs, Hearth & Home, pp. 114-125, September 2005.

Monthly Distribution of Residential Wood Combustion Emissions – with David Broderick, report to the Hearth, Patio, and Barbecue Association, June 2005.

Woodstove Flue Corrosion and Creosote Accumulation Testing of the Flax Power, Ltd. Densified Flax Log – with Joe Fiedler, David Broderick, and Matt Kathan, report to Flax Power, Ltd., June 2005.

PM-2.5 Emission Reduction Benefits of Replacing Conventional Uncertified Cordwood Stoves with Certified Cordwood Stoves or Modern Pellet Stoves – with David Broderick, report to the Hearth, Patio, and Barbecue Association, May 2005.

Air Emissions, Burning Characterization and Fuel Properties of the Naturalog – with Joe Fiedler, report to EcoProduct Solutions, April 2005.

Air Emissions, Burning Characterization and Fuel Properties of Flax Power, Ltd. Densified Flax Log – with Joe Fiedler, report to Flax Power, Ltd., April 2005.

Emissions Inventory Oriented Residential Wood Combustion Survey – with Chun Yi Wu, Ronald Piva, David Broderick, and John Crouch, in Proceedings of 14<sup>th</sup> International Emission Inventory Conference, “Transforming Emission Inventories – Meeting Future Challenges Today,” Las Vegas, NV, April 2005.

Review of Residential Wood Combustion Data for Mid-Atlantic and New England States – with David Broderick, John Crouch, and Jack Goldman, in Proceedings of 14<sup>th</sup> International Emission Inventory Conference, “Transforming Emission Inventories – Meeting Future Challenges Today,” Las Vegas, NV, April 2005.

Development of a Fireplace Baseline Particulate Emission Factor Database – with David Broderick and John Crouch, in Proceedings of 14<sup>th</sup> International Emission Inventory Conference, “Transforming Emission Inventories – Meeting Future Challenges Today,” Las Vegas, NV, April 2005.

Review of Verification Testing of the CSA B415.1-00 Standard When Applied to Non-EPA-Regulated Appliances and a Proposed Draft ASTM Test Method Addressing Outdoor Hydronic Heating Systems – with David Broderick, report to Environment Canada, March 2005.

All Eyes on Libby – with David Broderick and Carter Keithley, Hearth & Home, pp. 68-86, February 2005.

Enviro-Log Creosote Accumulation Comparison with Cordwood – with David Broderick, report to Enviro-Log, Inc, February 2005.

Extinguisher Options for Wood/Wax Firelogs – with Joe Fiedler, report to Alltrista Consumer Products Company, February 2005.

Particulate Emissions from the Duraflame All Natural Firelog and Easy Time Firelog – with Joe Fiedler, report to Duraflame, Inc., November 2004.

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Air Emissions, Burning Characterization and Fuel Properties of the Java-Log – with David Broderick, report to Robustion Products, Inc., March 2004.

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Factory-Built, Solid-Fuel Fireplace Emissions Test Method – with Paul Tiegs, David Broderick and Joseph Fiedler, presentation to Hearth, Patio, and Barbecue Association Woodburning Standard Subcommittee, Chicago, IL, December 2, 2003.

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## **Air Quality Modeling and Modeling Support**

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