



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
RESEARCH TRIANGLE PARK, NC 27711

December 20, 2012

OFFICE OF  
AIR QUALITY PLANNING  
AND STANDARDS

FMI Products, LLC  
2701 South Harbor Boulevard  
Santa Ana, CA 92704

Dear Mr. Klein:

We are pleased to acknowledge that the FMI Products fireplace retrofit device, PureFire™ Catalytic Control System, as tested in the FMI Craftsman 36 fireplace, meets the Phase 2 qualifying emissions level under the EPA Wood-burning Fireplace Program. The FMI Craftsman 36 firebox meets the equivalency criteria in the Program Partnership Agreement.

This acknowledgement is based on:

- our review of the test report from Myren Consulting Test Laboratories dated March 5, 2010;
- your submittal of an appropriate Owner's Manual that covers proper operation of this retrofit device;
- the equivalency of the Craftsman 36 firebox to the Heatilator E36 firebox as demonstrated in the FMI Products document provided to EPA on August 7, 2012; and
- the ISO-accredited lab certification letter from PFS Corporation, dated November 6, 2012.

The retrofit device, as tested in the FMI Craftsman 36 fireplace (width: 28.25 inches; height: 21 inches; depth: 16 inches), resulted in an average emissions of 4.8 grams of fine particles (PM<sub>2.5</sub>) per kilogram of wood burned. This PM<sub>2.5</sub> emission level is below the EPA qualifying Phase 2 emission level of 5.1 g/kg. It represents a 60 percent emission reduction from a baseline of 12 grams/kg (assumed average emissions for existing fireplaces). Emission reductions for this retrofit device may vary in other fireplaces.

You may use the qualifying labels and hangtags in accordance with the Partnership Agreement Guidelines. Information regarding this retrofit device will be posted on the EPA Burn Wise website: <http://www.epa.gov/burnwise/fireplacelist.html#retrofits>.

Thank you for your participation in EPA's Wood-burning Fireplace Program and your interest in improving air quality. We recommend that EPA Phase 2 qualified cleaner fireplace models be considered over other fireplaces and that Phase 2 retrofit devices be considered for reducing wood smoke pollution from existing fireplaces.

The template for the Phase 2 qualified fireplace retrofit hangtag has been forwarded to you by separate e-mail. If you have any questions, please do not hesitate to contact me at (919) 541-5383.

Sincerely,

A handwritten signature in black ink that reads "Thomas N. Braverman".

Thomas N. Braverman  
EPA Wood-Burning Fireplace Program Liaison  
Innovative Programs and Outreach

