



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
ENFORCEMENT AND
COMPLIANCE ASSURANCE

AUG 16 2017

Daryl Lamppa
Owner/President
Lamppa Manufacturing, Inc.
512 South 3rd Street
Tower, Minnesota 55790

Re: Vapor Fire 100 (VF100) Model Cord Wood Forced-Air Furnace Certification Letter
Number 11FAF-17

Dear Mr. Lamppa:

I am pleased to inform Lamppa Manufacturing, Inc. (Lamppa) that the VP100 model, cord wood forced-air furnace, has been approved for certification pursuant to the 2015 New Source Performance Standards (NSPS) for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces at 40 CFR Part 60, Subpart QQQQ (2015 NSPS) by the United States Environmental Protection Agency (EPA). Certification under the 2015 NSPS is valid through September 1, 2022. This letter supersedes your previous approval letter, dated May 1, 2017, and serves as your forced-air furnace certification. No separate certification is required. Please refer to the certification letter number 11FAF-17 in all future correspondence.

Based on an October 24, 2016 (revised on August 7, 2017 and August 11, 2017) test report prepared by Intertek Testing Services NA Inc. (Intertek), the information provided in your March 3, 2017 application and July 24, 2017 letter, and compliance demonstration with the August 1, 2017 Alternative Test Method, the VF100 model is certified as meeting the 2015 NSPS. Under the 2015 NSPS and based on the August 11, 2017 certification of conformity prepared by Intertek, the model's emission rate of 0.09 lb/mmBtu meets the 2020 NSPS particulate matter emission limit of 0.15 lb/mmBtu (0.026 g/MJ) heat output per individual burn rate. The actual load heat output range and overall thermal efficiency for the above-referenced model are 9,332 – 36,063 BTU/hr and 54%, respectively. The average carbon monoxide emission rate for this model line is 0.82 g/Min.

This certification is valid for the above-referenced model and is predicated on the following condition:

The VF100 forced-air furnace design incorporates a low setting on its controller which is the lowest heat output (Btu/hr) setting available to the user and corresponds to the lowest burn rate to be evaluated during certification testing; this is consistent with 40 CFR part 60, subpart QQQQ, section 60.5476, which states "The burn rate for the low burn rate category must be no greater than the rate that an operator can achieve in home use and no greater than is advertised by the manufacturer or retailer."

In addition, this certification cannot be transferred to another model line without applying for certification. This certification allows Lamppa to manufacture and sell the above-referenced model through September 1, 2022. Thereafter, Lamppa may not manufacture, advertise for sale, offer for sale, or sell forced-air furnaces under this certificate without applying for and obtaining another compliance certification.

All forced-air furnaces manufactured or sold under this certification must comply with EPA labeling requirements found at §60.5478. These provisions require each forced-air furnace to have a permanent label affixed to it that includes the month and year of manufacture, model name or number, serial number, certification test emission value, test method, standard met, and compliance certification statement.

Finally, Lamppa must comply with all applicable requirements of the regulation, including:

1. Conducting a third-party certifier-approved quality assurance program that includes specific inspection and testing requirements for ensuring that all units within a model line are similar in all material respects that would affect emissions to the forced-air furnace submitted for certification testing and meet the emissions standards in §60.5474, pursuant to §60.5475(m);
2. Applying for recertification whenever any change is made to the above-referenced model that affects or is presumed to affect the particulate matter emission rate for the model line, pursuant to §60.5475(k)(1);
3. Placing a copy of the certification test report and summary on the manufacturer's website. The test report and summary shall be available to the public within 30 days after the EPA issues a certificate of compliance pursuant to §60.5475(b);
4. Providing an owner's manual that includes the information listed in §60.5478(f)(1) with each forced-air furnace model offered for sale;
5. Submitting a report to the EPA every 2 years following issuance of a certificate of compliance for each model line. This report must include the sales for each model by state and certify that no changes in the design or manufacture of the model line have been made that require recertification pursuant to §60.5475(k).

6. Retaining records and submitting reports as required at §60.5479; and
7. Submitting forced-air furnaces for audit testing if selected by the EPA under §60.5475(n)(1)(i) and (2)(i).

Failure to comply with these requirements may result in a revocation of this approval and an enforcement action, including penalties as specified under the Clean Air Act.

To promote transparency in the implementation of the Wood Heater Program, we suggest that manufacturers submit the Uniform Resource Locator (URL) or web address where the test report is posted to WoodHeaterReports@epa.gov within ten (10) days of posting the test report.

If you have any questions concerning this letter, please contact Rafael Sanchez of my staff at (202) 564-7028 or via email at sanchez.rafael@epa.gov.

Sincerely,



Edward J. Messina, Director
Monitoring, Assistance, and Media Programs Division
Office of Compliance