



OFFICE OF ENFORCEMENT AND COMPLIANCE ASSURANCE

WASHINGTON, D.C. 20460

April 9, 2026

Mr. Patrick Dusten Henderson
Owner/Chief Executive Officer
509 Fabrications, Inc.
6512 W. Seltice Way
Post Falls, Idaho 83854

Re: Chinook VCV 2.1.5 Catalytic Cordwood Heater Model; Certificate of Compliance Number 409-26

Dear Mr. Henderson:

I am pleased to inform 509 Fabrications, Inc. that the above-referenced cordwood heater model has been approved for certification pursuant to the 2015 New Source Performance Standard (NSPS) for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces at 40 CFR Part 60, Subpart AAA (2015 NSPS) by the United States Environmental Protection Agency. Certification under the 2015 NSPS is valid through April 9, 2031. This letter serves as your cordwood heater Certificate of Compliance. Please refer to the above-referenced Certificate of Compliance number in all future correspondence.

Based on a September 10, 2025,¹ test report prepared by PFS-TECO documenting the use of the EPA-approved Cordwood Alternative Test Method (ATM)² as well as ATM ALT-154³ and the ASTM International Test Methods E3053 and E2515, along with the information provided in your September 24, 2025, application, the above-referenced model is certified as meeting the

¹ Revised on December 22, 2025, and January 14, 2026.

² January 4, 2024, letter from Steffan M. Johnson, Group Leader, Measurement Technology Group, Office of Air Quality Planning and Standards, to Mr. Ben Myren, President, Myren Consulting, Inc. The letter approved the use of the ASTM International Test Methods E3053-18 and E2515-11, with specific modifications detailed in the approval letter. A copy of the letter can be found on page 300 of the test report.

³ December 13, 2024, (revised on January 21, 2025), letter from Steffan M. Johnson, Group Leader, Measurement Technology Group, Office of Air Quality Planning and Standards, to Mr. Ken Morgan, Technical Services Director, OMNI-Test Laboratories, Inc., approving the use of an alternative test method for demonstrating compliance with the filter weighing procedures as outlined in ASTM E2515-11. A copy of the letter can be found on page 313 of the test report and at https://www.epa.gov/system/files/documents/2025-01/ken-morgan-astm-e2515-particulate-filter-weighing-broadly-applicable-test-method-request_modified-to-qqqq.pdf.

2015 NSPS. Under the 2015 NSPS and based on PFS-TECO's September 25, 2025,⁴ Certification of Conformity, the model's emission rate of 1.3 g/hr meets the 2020 NSPS particulate matter emissions limit of 2.0 g/hr. The heat output range and overall heating efficiency for the above-referenced model are 9,800 – 36,400 BTU/hr and 79%, respectively. The model line carbon monoxide emission rate is 0.63 g/min.

This Certificate of Compliance is valid for the above-referenced model and cannot be transferred to another model line without applying for another Certificate of Compliance. This Certificate of Compliance allows you to advertise and sell the above-referenced model through April 9, 2031. Thereafter, you may not advertise for sale, offer for sale, or sell wood heaters under this Certificate of Compliance without applying for and obtaining another Certificate of Compliance.

All wood heaters manufactured or sold under this Certificate of Compliance must comply with EPA labeling requirements found at § 60.536. These provisions require each wood heater to have a permanent label affixed to it, including the month and year of manufacture, the model's name or number, serial number, certification test emission value, test method, standard met, and compliance certification statement.

In addition, you must comply with all applicable requirements of the regulation, including:

1. Conducting a third-party certifier-approved quality assurance program which ensures that all units within a model line are similar to the wood heater submitted for certification testing in all respects that would affect emissions and are in compliance with the applicable emission limit, pursuant to § 60.533(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 § 60.533(k)(1);
3. Providing an owner's manual that includes the information listed in § 60.536(g)(1) with each affected wood heater model offered for sale;
4. Placing a copy of the full non-Confidential Business Information (non-CBI) certification test report and summary of the test report on the manufacturer's website and available to the public within 30 days after the EPA issues a Certificate of Compliance, pursuant to § 60.533(b)(12). The up-to-date non-CBI certification test report and summary (if later revised) should remain posted on the manufacturer's website for as long as the model line is manufactured and/or offered for sale in the U.S.;
5. Submitting a report to the EPA every two years following issuance of a Certificate of Compliance for each model line. This report must include the sales for each model by

⁴ Revised on December 23, 2025, and January 14, 2026.

state and certify that no changes in the design or manufacture of this model line have been made that require recertification under § 60.533(k);

6. Retaining records and submitting reports as required at § 60.537; and
7. Submitting wood heaters for audit testing if selected by the EPA under §§ 60.533(n)(1)(i) and (2)(i).

Failure to comply with these requirements may result in revoking this Certificate of Compliance and enforcement action, including penalties as specified under the Clean Air Act. Pursuant to the EPA-approved Cordwood ATM and ATM ALT-154, you must also include your approval letters in the certification test report for posting on your website. To promote transparency in implementing the Wood Heater Program, we request that manufacturers submit a copy of the Uniform Resource Locator (URL) or web address where the non-CBI certification test report is posted to WoodHeaterReports@epa.gov within ten (10) days of posting.

Once the EPA has verified that the full non-CBI certification test report has been posted on the manufacturer's website, the Agency will add the above-referenced model to the [EPA-Certified Wood Heater Database](#).

Please note that the test report documenting the certification test upon which this Certificate of Compliance is being issued indicates that the test fuel weight for the high burn rate in Run 1 is 21.54 lbs. With the firebox volume being 2.176 cubic feet, the resulting calculated test fuel loading density is 9.88 lb/ft³ for the high burn rate in Run 1.

However, pursuant to the January 4, 2024, EPA-approved Cordwood ATM referenced above, the acceptable test fuel load weights for the high burn test must range between 21.760 and 22.484 lbs, with the required test fuel loading density being at least 10.0 lb/ft³. Given that the certification test report documents a test fuel load weight of 21.54 lbs (equating to 9.88 lb/ft³), this fuel weight falls outside the prescribed range.⁵

Therefore, while the EPA is issuing this Certificate of Compliance, 509 Fabrications, Inc. should not expect to receive a waiver from certification testing if you choose to apply for a Certificate renewal. When applying for renewal, you would be required to retest the heater and submit a new, valid certification test report along with your renewal application to the EPA.

⁵ While the loading density of the test fuel may affect emissions, the certification test showed that this model line's emission rate is well below the allowable limit. Since the fuel weight was only slightly below the required loading density, it is therefore unlikely to significantly impact the emission limit or alter the test result, which indicated the emission rate was below the limit. As a result, we are proceeding with issuing this Certificate of Compliance.

If you have any questions concerning this letter, please contact the Wood Heater Program at WoodHeaterReports@epa.gov.

Sincerely,

Jacqueline Robles Werner
Director
Office of Compliance
Office of Enforcement and Compliance Assurance