

AIR POLLUTION CONTROL DIVISION103 South Main Street, 3 South
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August 26, 2009

Ms. Dian Pendergrass, Engineer Manager
Heatmor, Inc.
P.O. Box 787
105 Industrial Park Court, N.E.
Warroad, MN 56763**SUBJECT:** Certification of Model "400 SSR" Outdoor Wood Boiler under Section 5-205 of the Vermont Air Pollution Control Regulations

Dear Ms. Pendergrass:

The Air Pollution Control Division (APCD) has completed its review of the information Heatmor recently submitted to this office, including the test report dated June 2008 (Number: 275-O-07-3) prepared by OMNI-Test Laboratories, Inc., regarding your Model "400 SSR" outdoor wood-fired boiler (OWB). The test results indicate that the Model 400 SSR's particulate matter emissions were 0.41 lbs/million BTUs of heat input (year round weighted average) and 0.68 lbs/million BTUs of heat output (year round weighted average). The year round weighted average emissions of the unit were lower than Vermont's emission limit of 0.44 lbs/million BTUs of heat input; however, the year round weighted average emissions on an output basis were higher than Vermont's proposed "Phase II" limit of 0.32 lbs/million BTUs of heat output. USEPA has reviewed the OMNI test report and has approved the test methods and results. The test methods used by OMNI are also acceptable under §5-205 of Vermont's regulations. Since USEPA has approved the test results and the testing was performed by an EPA accredited laboratory, the APCD is willing, for this particular test series, to waive the requirements in §5-205 regarding prior notice of the testing and submission of a test protocol to the APCD.

Thank you for providing this office with detailed engineering drawings and specifications for the Model 400 SSR, as required by §5-205(d)(1). This information was included with the test report and, together with the test data, comprises your application for certification of the Model 400 SSR. We will expect that all units in this model line will have the same specifications, within acceptable manufacturing tolerances, and that any components of these units that may affect emissions will be composed of the same materials as those in the tested unit. Please let me know immediately if this assumption is not accurate.

Based on the APCD's and the USEPA's review of the information submitted by Heatmor, and the conditions noted above concerning specifications and materials, the APCD has determined that the Model 400 SSR OWB complies with the emission limit in §5-205(c)(1) of the Air Pollution Control Regulations (APCR) and that all units within the "400 SSR" model line may be distributed or sold in Vermont or for installation in Vermont on or after the date of your

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Ms. Dian Pendergrass


Page 2 of 2

receipt of this letter. This certification shall expire five (5) years after the date of its issuance, unless prior to such time the Vermont Agency of Natural Resources adopts a more stringent particulate matter emission limit for new OWBs (e.g., the Phase II emission limit now being proposed). In that event, Heatmor may be required to reapply for certification of the model line under the new emission limit, if the model line would comply with it.

I would like to take this opportunity to remind you of a related obligation that Heatmor has under APCR §5-205(e), "Notification by Manufacturers". When an OWB model is certified, this subsection requires the manufacturer to give written notification to its dealers and others who sell or may be selling your OWBs in Vermont or for installation in Vermont. This notice should list all the OWB models you sell and specifically identify the Model 400 SSR, as well as the Model 200 SSR, as models that have been approved for sale or installation in Vermont. Please provide a copy of this written notice and a list of the addressees and their locations to this office when your mailing is completed.

Thank you for your interest in reducing the air contaminant emissions from outdoor wood-fired boilers. If you have any questions about this letter, please contact me or Chris Jones of my staff at (802) 241-3840.

Sincerely,



Richard A. Valentinetti, Director
Air Pollution Control Division

cc: Amanda Aldridge, EPA/OID, RTP, NC
Lisa Rector, NESCAUM