



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Martin O'Malley
Governor

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Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

April 21, 2010

Mr. Tim Mickey
HeatSource 1
2201 Ridgeview Drive
Beatrice, NE 68310

Re: Certification Request for Earth Energy Series 190 Boiler

Dear Mr. Mickey,

Thank you for providing the Maryland Department of the Environment (MDE) with the requested documentation regarding HeatSource 1's line of Phase II qualifying small wood boilers. MDE requires manufacturers to supply this information in order to certify small wood boilers that may be sold in the state of Maryland. The Department has completed its review of the emission testing report for the Earth Energy Series 190 boiler that was submitted by HeatSource 1 and was received by this office on April 20, 2010. The test results indicate that the unit has a particulate matter emissions level of 0.19 lbs/MMBtu heat output (year round weighted average), which is lower than the 0.32 lbs/ MMBtu heat output particulate matter emission limit required for Phase II units specified in §C(1)(b) under COMAR 26.11.09.11 – Control of Particulate Matter from Small Wood Boilers.

Based on MDE's review of the information submitted by HeatSource 1 the Department has determined that the year round weighted average emissions for the Earth Energy Series 190 boiler complies with the emission limits for Phase II units as specified in the regulation. The Department hereby grants certification to HeatSource 1 for the Earth Energy Series 190 boiler, which will remain valid for five years upon the date of its issuance. All units in that model line are allowed to be distributed, sold, and installed in the State for a period of five years provided the units comply with the labeling requirements specified in the regulation.

Please be advised that any modifications to any current model line previously certified will require you to submit documentation requesting certification, as will the introduction of any additional model line you wish to make available for sale, use, and installation in Maryland. Should you have any questions, please feel free to contact me at 410-537-3592.

Sincerely,

Eddie DuRant, Regulatory Engineer
Air Quality Planning Program
Air and Radiation Management Administration

cc: Diane Franks, Air Quality Planning Program
Randy Mosier, Air Quality Planning Program
Mary Jane Rutkowski, Air Quality Planning Program
Karen Irons, Air Quality Permits Program
Frank Courtright, Air Quality Compliance Program