

Memo

To: MHA

From: Rod Zander

10/2/07

No Meeting Agenda was established per agreement of members

EPA Meeting, Raleigh/Durham, NC 9/27/07

Meeting Scheduled for one hour; we were given 1 ½ hrs. of time with EPA

Overview/ Summary

Attendance: Tom Stroud (HPBA), Tim Seaton and Rod Zander (MHA Tech Committee), Juha Turunen (Tulikivi), EPA members: Greg Green, Gil Wood, David Cole, Chebryll Edwards, Karen Blanchard.

Discussed:

- Overview of Masonry Heaters
- Juha talked about Tulikivi's presence in the world market
- Difficulties of recognition with EPA certification and exemption
- EPA letter from 1991 produced as evidence that masonry heaters are at the same stage today

Greg Green: asked Gil Wood for options on assisting Masonry Heaters
He will draft a memo to Greg Green with options.

Status of the white paper discussed with current data;

- Is the white paper the appropriate action to be taken? EPA wants historical and current data as well as EU with CEN and EN documentation and testing
- EPA is interested in lbs. per millions of BTU to determine the emission rate of particulate matter, greenhouse gases and relevant test data
- We noted that one test is completed; the second will be done within the month at Myren Laboratories

Juha: Tulikivi meets all European standards with Austria having the most stringent regulations in Europe

Gil discussed some possible options:

- Letter from Greg Green
- Class Approval from the EPA – similar to pellet stoves
- Gil suggested we have an appliance tested, or a
- Calculated paradigm be approved so every unit would not have to be tested

Goals already accomplished:

- A link to masonry heaters as a clean burning appliance is on the EPA website
- Masonry heaters are included as an option in the wood stove change-out program

Karen Blanchard: in a candid discussion about the last time we met it was apparent that 600-1000 units would be installed in the US. That small a number of masonry heaters did not make it imperative to use the EPA resources to continue work with us at that time.

Greg Green: he would like to meet us again, 10/11/07, while the fireplace stakeholders are meeting. This meeting has been scheduled for 10/10/07.

Fueling protocol for subsequent testing is important and development of a custom or design paradigm for custom built heaters is important with approval and/or certification to be pursued.

Following the meeting our group consisting of Tim, Rod and Tom met:

We hope to have a draft of the white paper, including an Executive Summary with definitions;

Additional categories:

- Tulikivi: their US and EU data to be included with their own proprietary test data; we also have access to current US testing: EPA audited in 1992; EU test data supplied by Kachelofenverband
- Regulatory Issues: EU, CEN and EN documents; US EPA documents, State documents from WA, CO, OR and possibly northern CA
- Green Issues: Emissions in lbs. per mega joules and renewability
- History:
- Definitions and terms unique to the industry

All of the white paper information is current and is on the agenda as items to discuss with ASTM and MHA Tech. Committee in upcoming meetings.

Respectfully submitted,

Rod Zander
Chairman, MHA Technical Committee