

**Joint Committee on Food Equipment**  
**Draft Meeting Summary**  
**NSF International, Ann Arbor, Michigan**  
**October 20, 2009**

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*October 20, 2009*

## **VII NSF/ANSI 5 Water heaters, hot water supply boilers, and heat recovery equipment**

### **Recovery Rate Verification (FE-2009-2)**

**Motion:** The Joint Committee recommends that the Task Group strike 6.1 and add new language that would provide a proper reference to generate the data needed for the thermal rise. J. Hipp moved, G. Zawacki seconded.

**Discussion:** The purpose of the requirement is to establish delivery rates at various temperatures for various sizing not to establish efficiency. In the early 2000s, efficiency was determined not to be a public health issue. The data generated is used by regulators for sizing requirements in kitchen etc. Thermal efficiency is done at 70%. The test is redundant, for gas heater, in that two variables of the test (thermal efficiency and input rate) have already been covered under the initial certification process. The test is not needed for immersion type electrical heaters because there is only one variable (input) and it is covered in the safety testing. The electrical test is not because it is immersed.

For the first time, an agency has requested that a water heater be tested to 6.1. Safety tests require the test be run. The literature is pre-developed for standard safety reasons. Thermal efficiency testing needs to be completed to generate the data. Verification test are completed by UL and is verifiable. It needs to be verified because of federal regulations. Foreign models that are covered under CA and federal regulations comply with standards. Method will have to be run. Essentially, we cannot control outside of US. Meet CFR requirements – NSF regulations.

**Vote:** All in favor.

**Motion passed.**

Task Group - J. Hipp, B. Gale, K. Northcutt, J. Wallace, J. Scanlon, M. Cartagena, T. Gagliardi, and M. Kohler.