

**From:** George Hubbard *NRA*  
**To:** Joseph Staudenmeier *NRA*  
**Date:** Tue, Aug 22, 2000 9:03 AM  
**Subject:** Resend - Re: heatup times with new peaking factors

Joe, with regard to the number of assemblies in a PWR pool you used 965 17X17 fuel assemblies in determining the spent fuel pool heatup and boiloff times. Considering the fact that most pools have been reracked, this number (965) of assemblies is probably low. How much do the older assemblies contribute to the heat load for heatup and boiloff calculations? I will check but I would think most PWR pools at the end of plant operational life would have 2000 - 2500 fuel assemblies. If this is true, will this change your times for heatup and boiloff?

**I did some checking on recent (last 2-3 years) and PWRs are asking for expansions from ~ 1400 - 1900 fuel assemblies. What would these numbers do to heatup and boiloff times?**

Your BWR number of 4200 fuel assemblies sounds reasonable.

George Hubbard  
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>>> Joseph Staudenmeier 08/21 5:22 PM >>>  
new adiabatic heatup times with BWR peaking factor of 1.2 and PWR peaking factor of 1.1

**CC:** Diane Jackson, Glenn Kelly, Ralph Caruso, Robert Palla, Timothy Collins

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