

**From:** Richard Barrett *RBB*  
**To:** Bagchi, Goutam, Barss, Daniel, Basu, Sudhamay, ...  
**Date:** Thu, Aug 10, 2000 7:33 AM  
**Subject:** Re: Goals for TWG Report

As I recall, we used a higher temperature for the 10 hour calculation because we wanted to know when the temperature would result in runaway oxidation. We used the lower temperature for the 5 year calculation because we needed to avoid the region where runaway oxidation could occur.

--Rich

>>> Diane Jackson 08/09 3:52 PM >>>

The 10 hour limit was based on a calculation of the heat up of one rod from 30 C - 900 C using adiabatic conditions for the specific plant requesting exemption.

This coupled with the EP branch agreeing that for that specific plant 10 hours was sufficient for ad hoc evacuation allowed for the exemption.

I believe that the generic 565 C limit was based on the 10 hour creep failure time.

Diane

>>> Sudhamay Basu 08/09 3:07 PM >>>  
George,

I notice in the EP history attachment, some plants are granted relief based on 10 hour limit and some on meeting 565 degree C criterion. You may want to check if both of these are same, specifically, if the criterion is 10 hour creep failure time at 565 degree C.

**CC:** Caruso, Ralph, Collins, Timothy, Dudley, Richard...

*m/bS*