

Paul

Below are the technical staff's questions on the UHS amendment. The technical staff developed these questions during their acceptance review, so they are not a complete set of questions from any of the review groups. Please look these over and let's discuss them. Unless this information has already been provided to the staff, the application will need to be supplemented to allow the staff to perform its review.

The application did not provide an adequate discussion of the changes to allow the NRC staff to perform a detailed technical review. In particular, the application did not address the changes to the Hope Creek licensing basis that was approved in Amendment 120, or the basis for the changes. Please supplement the application with the following information:

1. The application states that the allowable ultimate heat sink (UHS) temperature is increased from 89 to 89.5 degrees F; however, the application provides little information on the basis for the higher temperature limit. Provide a more complete discussion of the basis for the 89.5 degree limit, including the changes since Amendment 120.
2. The application does not address the impact of the UHS temperature change on the safety auxiliaries cooling system (SACS) heat exchanger (HX) outlet temperature limits. Discuss the SACS HX outlet temperatures during normal operation and following a design basis event, what functional capabilities were evaluated for these SACS HX outlet temperatures, and the extent to which the current safety margin is reduced.
3. Describe how instrument uncertainty is (or has been) accounted for when confirming that the measured value does not exceed the proposed TS limit.

Stewart Bailey
301-415-1321

Mail Envelope Properties (437E3ADA.E38 : 2 : 34886)

Subject: Questions on UHS Amendment
Creation Date: 11/18/05 3:34PM
From: Stewart Bailey

Created By: SNB@nrc.gov

Recipients
pseg.com
Paul.Duke (Paul Duke)

Post Office

Route
pseg.com

Files	Size	Date & Time
MESSAGE	2815	11/18/05 03:34PM

Options

Expiration Date:	None
Priority:	Standard
Reply Requested:	No
Return Notification:	None

**Concealed Subject:
Security:**

No
Standard