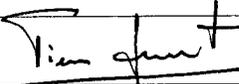


NRC FORM 699 (9-2003)		U.S. NUCLEAR REGULATORY COMMISSION		DATE 01/06/2010
CONVERSATION RECORD				TIME 10:00am
NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU William Arnold, Richard Montgomery		TELEPHONE NO. 888-391-6570		TYPE OF CONVERSATION <input type="checkbox"/> VISIT <input type="checkbox"/> CONFERENCE <input checked="" type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING
ORGANIZATION Century Industries				
SUBJECT RAIs for the Model No. Versa-Pac package				
SUMMARY (Continue on Page 2)				
NRC Participants: Christy Fisher, Jeremy Smith, Jimmy Chang, Pierre Saverot				
On December 15, 2009, a Request for Additional Information (RAI) regarding the Model No. Versa-Pac Package application (Docket No. 71-9342) was sent to Century Industries. This conference call was requested by the applicant to share its proposed RAI responses, and obtain clarification from staff.				
RAI 6-1: The applicant indicated that the CSI will be increased from 0.9 to 1 to have 50 packages (instead of 55) and that the change in Keff is about 0.07, i.e., less than 1%.				
RAI 6-2: The applicant said that the new limit will be 272 packages (instead of 300) and will add details on the criteria used.				
RAI 6-3: The applicant said it will be using a homogeneous model.				
RAI 6-4: The applicant agreed with staff, will include a model for the inner payload and put the spheres closer together for the homogeneous case.				
RAI 6-5: The applicant said that polyethylene is still the most reactive moderator and that the new Table 6-4 will include hydrogen density and maximum densities. Staff disagreed with the applicant and said that paraffin showed up as the most reactive moderator when staff performed parametric studies. Staff requested the applicant to perform a parametric study and report the results in its response to this RAI.				
RAI 6-6: The applicant stated that vertical tubing is not included in the criticality model. Section No. 6.3.1.1 and Table No. 6.3 will be modified.				
RAI 6-7: The applicant said that the package was packed in stacks of 4, 6 packagings high. With a CSI of 1, there will be 272 packages.				
RAI 6-9: The applicant said that it provided the input file VERSA_HAC_FINH 12S for information only, and that this input case will be replaced with four different models, each with a different sphere emplacement.				
RAI 6-10: The applicant will include a sensitivity study, as requested by staff.				
Continue on Page 2				
ACTION REQUIRED None				
NAME OF PERSON DOCUMENTING CONVERSATION Pierre Saverot		SIGNATURE 		DATE 01/06/2010
ACTION TAKEN				
TITLE OF PERSON TAKING ACTION		SIGNATURE OF PERSON TAKING ACTION		DATE

CONVERSATION RECORD (Continued)

SUMMARY (Continue on Page 3)

The applicant confirmed that the fiberglass thermal break, as an insulating material, eliminates metal to metal interaction and will be marked up on the Licensing Drawings. The applicant agreed with staff's request to clearly identify unstable contents that could decompose at temperatures below 600 degrees F. The applicant confirmed the meaning of "working pressure", i.e., "test pressure", and said that it will provide more details. The applicant will mention the air gap's minimum and maximum dimensions on the drawings, will provide a thermal stress validation analysis for the polyurethane foam disk during and after HAC, and will update the summary of the results in Appendix No. 3.5.3 of the application.

Staff acknowledged that melting points can vary according to different test methods but also confirmed its request to have the applicant list the melting points for selected materials of the packaging. The applicant will include a statement specifying that no materials with an auto-ignition temperature greater than 580 degrees F will be allowed.

Regarding the structural RAIs, the applicant explained that it performed a stacking and a penetration test and will report the results in the revised SAR. The applicant explained that the foam, modeled as a single solid unit, is for thermal reasons only, with no real structural functions, and that density values from 5 to 10 pcf have a minimal impact on the foam response during the drop test.

The applicant will evaluate the time needed for submitting both the formal RAI responses and the revised SAR and tell staff immediately if a slight delay (e.g., a few days beyond January 15, 2010) is to be expected. Staff stated that a slight delay should pose no scheduling problem for staff, and that the Versa-Pac package application "looks good" at this time if all RAI responses are satisfactory.

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