

MINUTES-OF-THE-MEETING

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Holtec Project No.	5014	Date of Meeting	08/02/2007	Place of Meeting	Telephone Call	
Participating Organizations	Holtec / NRC (SFST)		Subject of Meeting	Fuel Buckling Analysis (Generic Issue) Second Call		
Names of Participants (indicate those who attended part-time or by video conference). A signed attendance list may be attached in lieu of a typed list (indicate in next column if attached).	Kris Singh (Holtec)		Gordon Bjorkman (NRC)			
	Alan Soler (Holtec)		Ed Hackett (NRC)			
	Luis Hinojosa (Holtec)		Chris Regan (NRC)			
	Evan Rosenbaum (Holtec)		Bob Einziger (NRC)			
			Bob Nelson (NRC)			
		Joe Sebrosky (NRC) (not sure of last name)				
Prepared by	Luis Hinojosa		Verified by	Evan Rosenbaum		

Summary of Discussions

A teleconference was held between Holtec and the SFST on the generic issue of Fuel Buckling Analysis. More specifically the analysis found in HI-STORM FSAR Section 3.5 (revision 0 to current revision).

(Continue on Page 2 et. seq. as necessary.)

Commitments Made

Task	Due Date	Responsible Party
Remove analysis from Section 3.5, re-write section and remove inappropriate references to the section. Determine what other changes may be needed.	8-9-07	Evan Rosenbaum
Follow-up with NRC (Chris Regan) on LAR 1014-3 and LAR 1014-5	TBD	Evan Rosenbaum

This template must be used to document and memorialize the substantive discussions that occur in a meeting on a Holtec project. The contents of these minutes must be verified by a second participant in the meeting. The verifier should preferably be from the interfacing organization. The preparer must be a meeting participant from Holtec.

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Summary of Discussions (Continued)

Kris Singh summarized the discrepancy with the following points:

- Holtec has never claimed in HI-STORM docket that fuel integrity is relied upon for confinement.
- Holtec and NRC discussions led to incorporation of the Lawrence Livermore limits into the Holtec TSAR (ca. 1997).
- Holtec was informed that an unidentified intervenor was calculating low allowable G-loads
- Holtec's position is that the Lawrence Livermore methodology is unreal considering the actual physical differences between a perfect fuel assembly and one that is irradiated, bent, twisted etc. Some plants even straighten their fuel assemblies. No one knows the failure stress strain characteristics.
- Holtec's position is that the NRC should specify the allowable G-load.

Kris Singh informed the NRC that Holtec has taken a further step in the calculation for buckling where the deformation has been permitted to grow (instead of stopping at the cladding yield limit). In this way, allowable G-loads for the two cases run have increased substantially (approx. 20 – 25%).

Gordon B. states that the Holtec SAR contains no write-up that the fuel wouldn't fracture.

Gordon states that the NRC is looking at the case where the MPC is not welded and the MPC is dropped inside a Part 50 facility (Indian Point).

Kris Singh responds that this evaluation is under part 50 jurisdiction and that Holtec is not prepared to address Indian Point Part 50 basis.

NOTE: At this point in the meeting, the NRC has a private internal discussion.

Upon their return from their private discussions, Chris Regan and NRC Staff request that Holtec proceed to remove the analysis from the FSAR (HI-STORM FSAR Section 3.5). Holtec should also remove from both LAR 1014-3 and LAR 1014-5. Holtec agrees to comply with the request.

Kris Singh (taking the opportunity) requests from the NRC a bounding G-level (in an ISG for example) similar to what NRC has done by specifying a fuel cladding temperature limit. This would prove very helpful to the industry.