

NRC FORM 699  
(9-2003)

U.S. NUCLEAR REGULATORY COMMISSION

DATE

04/28/2010

CONVERSATION RECORD

TIME

1:30pm

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Mark Whittaker, Mirza Baig

TELEPHONE NO.

803-758-1846

TYPE OF CONVERSATION

VISIT

CONFERENCE

TELEPHONE

INCOMING

OUTGOING

ORGANIZATION

EnergySolutions

SUBJECT

Structural RAIs for the Model No. 3-60 B package

SUMMARY (Continue on Page 2)

NRC participants: Ata Istar, Pierre Saverot

EnergySolutions requested this conference call to obtain clarifications on some of the structural RAIs for the Model No. 3-60B package.

RAI 2.6 requested the applicant to provide weld qualification calculations to justify the structural integrity of the containment boundary under the loading conditions addressed in Part 71.45. The applicant stated that there may be some confusion between what was analyzed and what NRC is asking for. The applicant also stated that it presented drawings to show how welds are modeled, and that the calculation package ST-503 already included calculations for welds. The applicant said that it wanted to clarify if the weld calculations need to be performed compared to "weld allowable." Staff answered "no" because it is an integrated piece (the weld is the same as the base metal and the two locations are totally fused).

RAI 2.5 requested the applicant to justify that the two lid bolts could equally carry the entire impact force. The applicant has developed a mathematical formula and the staff said that it was a good way to show compliance with 10 CFR 71.73.

RA 2.4 requested the applicant to provide a justification for not considering all the surface forces at the skirt tip in the calculation package ST-609. After the applicant explained that the surface was jamming to the lid, the staff agreed that this was a logical way to respond to the question.

RAI 2.3 requested the applicant to correct the lid bolt shear stress calculations. The applicant explained that it uses the stress area of the bolt and that what staff is asking is "not right" to use because it corresponds to a smaller radius. Staff disagreed with the applicant and said that it was a shear force going normal to the axis of the bolt. The applicant explained that the area "does not exist" because it is a cross-section and that it is customary to use stress areas. Staff concluded this discussion by saying that it will be waiting for a complete response from the applicant to judge the validity of the proposed approach.

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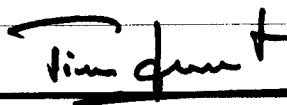
ACTION REQUIRED

None

NAME OF PERSON DOCUMENTING CONVERSATION

Pierre Saverot

SIGNATURE



DATE

05/10/2010

ACTION TAKEN

TITLE OF PERSON TAKING ACTION

SIGNATURE OF PERSON TAKING ACTION

DATE