

PMSTPCOL NPEmails

From: Tai, Tom
Sent: Monday, March 08, 2010 11:34 AM
To: Agles, James
Cc: STPCOL
Subject: STP Fuel Storage Rack RAI Input 2.doc
Attachments: STP Fuel Storage Rack RAI Input 2.doc

Jim,

Attached for your information is a draft of the questions related to COL items 9.1.6.5 and 9.1.6.7.

Let's plan on discussing these in the March 23 meeting.

Regards

Tom Tai

Hearing Identifier: SouthTexas34NonPublic_EX
Email Number: 2734

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED10E15E1BD88)

Subject: STP Fuel Storage Rack RAI Input 2.doc
Sent Date: 3/8/2010 11:33:30 AM
Received Date: 3/8/2010 11:33:32 AM
From: Tai, Tom

Created By: Tom.Tai@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Agles, James" <jaagles@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	210	3/8/2010 11:33:32 AM
STP Fuel Storage Rack RAI Input 2.doc		21614

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

STP Fuel Storage Rack RAI Input (FSAR Section 9.1)

9.1.6.7 Spent Fuel Racks Structural Evaluation

To address License Information Item 9.7, the applicant stated in FSAR Section 9.1.6.7 that a confirmatory structural evaluation of the racks will be provided in an FSAR amendment in accordance with 10 CFR 50.71(e) prior to receipt of fuel. Since structural integrity of the racks must be demonstrated under all postulated loading conditions for providing protection to the spent fuel from mechanical damage, the applicant is requested to provide details of analysis and design of the spent fuel racks using the guidance in SRP 3.8.4, Appendix D, in order for the staff to assess structural adequacy of the spent fuel racks.

9.1.6.5 New Fuel Inspection Stand Seismic Capability

To address License Information Item 9.5, the applicant stated in FSAR Section 9.1.6.5 that the risk of dumping personnel or the fuel inspection stand into the spent fuel pool during an SSE was addressed by a modified design for the New Fuel Inspection Stand (NFIS). In FSAR Section 9.1.4.2.3.2 the applicant stated that the modified NFIS is anchored into a pit on the refueling floor, and will retain the fuel assembly and maintain structural integrity during an SSE. The applicant removed ABWR DCD Figure 9.1-4 showing the NFIS included in the DCD. However, no similar Figure was included in the FSAR to replace the DCD Figure. Further, the description of the NFIS and its anchoring included in the FSAR is not sufficient for the staff to assess structural integrity of the stand or the anchorage during an SSE. Therefore, the applicant is requested to include in the FSAR details of the modified NFIS and its anchorage, and describe how structural adequacy of the stand and its anchorage was determined in order to adequately address COL License Information Item 9.5.