

From: David Tang
To: Steven Baggett
Date: Wed, Apr 26, 2000 2:24 PM
Subject: UMS and UMS/MY conference call

Steve, As a result of the conference call yesterday, I have reviewed SAR page 11.2.15-25, "Buckling Evaluation for Fuel Assemblies with Missing Grid Strap(s)." Since this evaluation summary is folded under Subsection 11.2.15.1.5, "Buckling Evaluation for High Burnup Fuel Rods," the analysis bases and results are confusing. We should tell NAC to rewrite this evaluation by appropriately reflecting it in a separate subsection that has nothing to do with high burnup fuel rods. Also, because of a much larger unsupported rod span of 60 inches, another potential structural failure mode begins to come to light. That is, the rod bending stress should be shown to be acceptable under lateral impact conditions. In the Part 72 space, the lateral impact associated only with cask tipover is not a design basis and needs not be addressed. However, if the emerging licensing philosophy is to ask dual purpose canister vendors to demonstrate that the stored fuel is eventually transportable, NAC should also analyze this configuration for a 30-ft drop hypothetical accident condition.

On the subject of removed pad/soil site parameters for UMS and UMS/MY, in TS Sections B3.4.1 and 3.4.2, respectively, we shall have an office position soon to support the UMS rulemaking UMS/MY safety evaluation.

David

CC: Donald Carlson, Earl Easton, Elaine Keegan, Geo...

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