US-APWRRAIsPEm Resource

From:Reyes, RuthSent:Thursday, November 21, 2013 11:10 AMTo:'us-apwr-rai@mhi.co.jp' (us-apwr-rai@mhi.co.jp); US-APWRRAIsPEm ResourceCc:Gilmer, James; Schmidt, Jeffrey; Buckberg, PerrySubject:US-APWR Topical Report MUAP-07034 Request for Additional InformationAttachments:US-APWR Topical Report MUAP-07034 RAI 11-21-13.pdf

MHI,

The attachment is a final RAI for Topical Report MUAP-07034 "FINDS: Mitsubishi PWR Fuel Assemblies Seismic Analysis Code." This RAI was sent to you in draft form. Your licensing review schedule assumes technically correct and complete responses within 30 days of receipt of RAIs.

thanks,

Ruth C. Reyes Project Manager, Licensing Branch 2 Division of New Reactor Licensing Office of New Reactors (301) 415-3249 Ruth.Reyes@nrc.gov

Hearing Identifier: Email Number:	Mitsubishi_USAPWR_DCD_eRAI_Public 131		
Mail Envelope Prope	rties (E85CAE0ED2FC5449B808712D77E97576B5597855DC)		
Subject: Sent Date: Received Date: From:	US-APWR Topical Report MUAP-07034 Request for Additional Information 11/21/2013 11:10:24 AM 11/21/2013 11:10:25 AM Reyes, Ruth		
Created By:	Ruth.Reyes@nrc.gov		
Recipients: "Gilmer, James" <james.gilmer@nrc.gov> Tracking Status: None "Schmidt, Jeffrey" <jeffrey.schmidt2@nrc.gov> Tracking Status: None "Buckberg, Perry" <perry.buckberg@nrc.gov> Tracking Status: None "us-apwr-rai@mhi.co.jp' (us-apwr-rai@mhi.co.jp)" <us-apwr-rai@mhi.co.jp> Tracking Status: None "US-APWRRAIsPEm Resource" <us-apwrraispem.resource@nrc.gov> Tracking Status: None</us-apwrraispem.resource@nrc.gov></us-apwr-rai@mhi.co.jp></perry.buckberg@nrc.gov></jeffrey.schmidt2@nrc.gov></james.gilmer@nrc.gov>			
Post Office:	HQCLSTR02.nrc.gov		

Files	Size	Date & Time
MESSAGE	529	11/21/2013 11:10:25 AM
US-APWR Topical Report M	UAP-07034 RAI 11-21-13.pd	df 70508
Options		
Priority:	Standard	
Return Notification	No	

Options	
Priority:	Standard
Return Notification:	No
Reply Requested:	No
Sensitivity:	Normal
Expiration Date:	
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REQUEST FOR ADDITIONAL INFORMATION TOPICAL REPORT FINDS: MITSUBISHI PWR FUEL ASSEMBLIES SEISMIC ANALYSIS CODE MUAP-07034, REVISION 4

11/21/2013

US-APWR TOPICAL REPORT

Mitsubishi Heavy Industries

Docket No. 52-021

By letter dated June 28, 2013, Mitsubishi Heavy Industries, Ltd. (MHI) submitted Revision 4 of the Topical Report MUAP-07034, "FINDS: Mitsubishi PWR Fuel Assemblies Seismic Analysis Code." The NRC staff has identified that additional information is needed to continue portions of the review.

 The new Section 3.5.2, "Axial Flow Damping Effect," discusses MHI's experience with axial flow damping increase with coolant flow for 12-ft fuel assembly tests, but does not provide a specific reference to the test report. The technical references listed do provide general justification for crediting the effect of flow damping for PWR fuel, but not specifically the US-APWR design. Please provide the report which includes the MHI tests and include it as a reference in MUAP-07034-P. Also, since the US-APWR specific tests have now been completed, please include a reference to the Technical Report MUAP-13020-P, "Axial Flow Damping Test of the Full Scale US-APWR Fuel Assembly."