From: Mohan Thadani
To: INTernet:plwalker@stpegs.com; Internet:smhead@stpegs.com
Date: 2/12/2008 1:23:22 PM
Subject: MD7495-STP, Unit 2-One Time Deferral of Code Repair

Scott/Phillip:

The NRC staff has reviewed the STPNOC request regarding relief request RR-ENG-2-49 submitted in a letter dated September 6, 2007 for deferral of code repair of a flaw identified in the Unit 2 essential cooling water (ECW) class 3 piping. The NRC staff has identified a need for additional information. Attached below is a preliminary request for additional information. I request that STPNOCrespond to the subject request within 30 days, to facilitate timely completion of the requested action. If you have any questions, please contact me at (301) 415-1476 or email mct@nrc.gov.

Thanks.

Mohan

PRELIMINARY REQUEST FOR ADDITIONAL INFORMATION

SOUTH TEXAS PROJECT, UNIT 2

TAC # MD7495

(1) In section 6.2.1 Scope of the subject relief request, the licensee stated that an indication of through-wall dealloying was identified on SBDG #23 cast aluminum-bronze ECW return flow balance throttle valve 2-EW-0204. The licensee also stated that the dealloying indication is a spot with residue buildup on the seat retainer.

Please provide the following additional information:
(a) Provide a sketch to show how the seat retainer was connected to the valve 2-ES-0204 and the ECW piping.
(b) Provide a sketch to show the dimensions of the referenced seat retainer (ID, OD, wall thickness and the length of component).
(c) From the photographs you provided in the e-mail, it appears that the materials of the components adjacent to the seat retainer are different from that of the seat retainer. Identify the adjacent components and its materials.
(d) Is the referenced valve made of cast aluminum-bronze material? Also discuss the previous service experiences of such valves and associated ECW piping in both units regarding the degradation due to dealloying.

(2) Provide detailed discussion regarding the compensatory action mentioned in 6.1 Proposed Alternative.

(3) Provide details regarding the limiting condition for operation of the affected
system as specified in the plant technical specification as discussed in

section
5.0 Impracticality Determination.

(4) Provide detailed discussion to support the statement that this assessment is bounding for
the condition under consideration as stated in 6.2.2 Specific Considerations.

(5) Provide detailed discussion regarding the methodology used in flaw evaluation in
section 6.2.4, particularly with regard to the methodology described in GL 90-05. Also
provide detailed quantitative information regarding the calculated safety margins for the
various loading conditions.

(6) Provide detailed discussion to support your findings in section 6.2.6 Conclusion regarding
the statement that the referenced degradation that progresses slowly.

CC: Koo, William

Mail Envelope Properties (47B1E41A.EB0 : 23 : 35106)

Subject: MD7495-STP, Unit 2-One Time Deferral of Code Repair
Creation Date 2/12/2008 1:23:22 PM
From: Mohan Thadani

Created By: MCT@nrc.gov

Recipients
nrc.gov
OWGWPO04.HQGWDO01
WHK CC (William Koo)

STPEGS.COM
plwalker (INTernet:plwalker@stpegs.com)
smhead (Internet:smhead@stpegs.com)

Post Office	**Route**
OWGWPO04.HQGWDO01	nrc.gov
	STPEGS.COM

Files	**Size**	**Date & Time**
MESSAGE	4436	2/12/2008 1:23:22 PM

Options
Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No
Security: Standard