

PA-LR

**From:** James Davis  
**To:** Bford@entergy.com; Dellis1@entergy.com; Fred Mogolesko  
**Date:** 6/29/2006 10:08:52 AM  
**Subject:** Additional Question From Bob Jackson

Bob Jackson has an additional question that should be easy to answer.

Jim

**CC:** jacksonwr@@msn.com; Kenneth Chang ; Ram Subbaratnam

**Mail Envelope Properties** (44A3DEF1.D48 : 22 : 35346)**Subject:** Additional Question From Bob Jackson**Creation Date** 6/29/2006 10:08:49 AM**From:** James Davis**Created By:** JAD@nrc.gov**Recipients**

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BFord (Bford@entergy.com)dellis1 (Dellis1@entergy.com)

fmogole (Fred Mogolesko)

msn.com

jacksonwr CC (jacksonwr@@msn.com)

nrc.gov

OWGWPO03.HQGWDO01

KXC2 CC (Kenneth Chang )

nrc.gov

TWGWPO02.HQGWDO01

RXS2 CC (Ram Subbaratnam)

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**Questions Related to PNPS Aging Management Review Results  
for LRA Section 3.1.1 (Reactor Vessel, Internals and Reactor Coolant System)  
Prepared by Bob Jackson**

**Question Number:**

Question

NEW QUESTION: (Submitted after site audit)

6/29/2006

3.1.1-34:

LRA Table 3.1.2-1 includes three AMR results lines related to bolting. Two of these lines (“incore housing bolting” and “other pressure boundary bolting”) identify the aging effect of cracking (not due to fatigue) and the aging management program is Inservice Inspection.

GALL AMP XI.M18 (Bolting Integrity) refers to ASME Section XI requirements for detection of aging effects. However, for high strength bolting (> 150 ksi), the GALL AMP states that for bolting size greater than 1-inch nominal diameter a volumetric examination comparable to that of ASME Section XI Examination Category B-G-1 is required in addition to the visual examination required by Examination Category B-G-2 (for pressure retaining bolting 2" and less in diameter).

Sufficient information has not been found in the LRA or in other documents reviewed to determine whether the incore housing bolting and other pressure boundary bolting in Table 3.1.2-1 can be excluded from the augmented examination.

Question:

For the components described as “incore housing bolting” and “other pressure boundary bolting” in LRA Table 3.1.2-1, please provide the following information.

- 1) Is the yield strength of these components greater or less than 150 ksi?
- 2) Is the diameter of these components greater than 1", and less than or equal to 2"?
- 3) If any of these components have yield strength greater than 150 ksi and diameter between 1" and 2", will PNPS perform the augmented volumetric inspection as recommended in the GALL report? Alternatively, if such components are used at PNPS and PNPS does not propose to perform the augmented volumetric inspection, please provide a plant-specific basis to waive the augmented requirement of the GALL AMP.

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<b>Question Number:</b> Question