

Masters, Anthony

From: Lake, Louis *lx*
Sent: Tuesday, November 03, 2009 2:48 PM
To: Masters, Anthony
Subject: RE: FSAR Section 5.2

Categories: Perform Review

I guess what Mark was referring to was the last sentence that says "A report of each inspection will be recorded and significant deterioration or abnormal behavior reported to the Commission." Check if they complied with this requirement.

Lou

From: Masters, Anthony *lx*
Sent: Tuesday, November 03, 2009 2:41 PM
To: Carrion, Robert; Dan Naus; Lake, Louis; Thomas, George
Subject: RE: FSAR Section 5.2

This is the only section in 5.2 that discusses the tendon surveillance program. I have pasted that entire sub-section here for you.

h. Tendon Surveillance

An in-service tendon surveillance program has been established which meets the requirements of the ASME boiler and Pressure Vessel Code, Section XI.. Some pertinent aspects of the program are as follows:

1. Twenty-one tendons were selected for each of the first three surveillance periods for inspection, consisting of ten hoop tendons, six vertical tendons, and five dome tendons. Unless experience shows that there are significant problems with prestressing members in the containment building, eleven tendons shall be selected for each subsequent surveillance period for inspection, consisting of five hoop tendons, three vertical tendons, and three dome tendons.
2. Lift-off tests for some surveillance tendons shall include essentially complete detensioning.
3. Each surveillance period a previously stressed tendon wire shall be removed from one dome tendon, one vertical tendon, and one hoop tendon and tensile, and elongation tests performed.
4. For the surveillance tendons selected each surveillance period an inspection shall be conducted of the anchorage assembly hardware, anchorage concrete, and conduit grease filler.
5. The surveillance was performed 1, 3, and 5 years after the initial containment structural integrity test and is performed every 5 years thereafter. A report of each inspection will be recorded and significant deterioration or abnormal behavior reported to the Commission.

From: Lake, Louis *lx*
Sent: Tuesday, November 03, 2009 2:20 PM
To: Masters, Anthony
Subject: RE: FSAR Section 5.2

As I recall Marks question dealt with Tendons and unacceptable surveillance tests. It seems that what you found is FSAR information on the containment Tec. Spec. inspections we discussed today. Let me know if you can find tendon info in the FSAR section.

Thank you for your support.

Lou

From: Masters, Anthony
Sent: Tuesday, November 03, 2009 2:07 PM
To: Lake, Louis
Cc: Carrion, Robert; Thomas, George
Subject: FSAR Section 5.2

Lou,

I reviewed the FSAR (Revision 28) Section 5.2 as discussed this afternoon that resulted from a question from Mark Franke.

The only reference I can find that may be what he was referring to is Section 5.2.5.2.1.1.h.5:

5. The surveillance was performed 1, 3, and 5 years after the initial containment structural integrity test and is performed every 5 years thereafter. A report of each inspection will be recorded and significant deterioration or abnormal behavior reported to the Commission.

If this is the same section he was referring to, I guess the question now is if the part after the and regarding reporting deterioration and abnormal behavior can be done in the surveillance report that is periodically submitted to the NRC or should be reported as the condition is found on a more responsive timeframe. Also, I suppose the question could still be what is defined as "significant deterioration" or "abnormal behavior". If the procedures and codes allow and accommodate for expanding the inspection sample due to unacceptable stresses, then that may not be defined as significant or abnormal.

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