Masters, Anthony

From: Fuller, Justin
Sent: Friday, October 16, 2009 4:37 PM
To: Masters, Anthony
Cc: Moorman, James; Fuller, Justin
Subject: FW: Crystal River U3 Containment cracks

I couldn't open the memo in webmail, but I have two emails, one from Jerry and one from myself.

This is the first email, and the second will follow.

From: Blake, Jerome
Sent: Wednesday, October 07, 2009 6:35 AM
To: Fuller, Justin
Subject: FW: Crystal River U3 Containment cracks

Keeping you in the loop. During the hydro-cutting of the SG replacement access hole in the side of the containment, they found an crack in the containment concrete. The crack appears to be a lamination and they are currently assuming that it goes completely around the containment, from top to bottom.

Don't know how public the information is as yet, so you might not want to share it around until you hear differently, but thought that you might be interested in being prepared if someone were to ask about what was going on at Crystal River. This could end up being the result of design or construction errors from the original construction of the containment in the 1970s.

Getting back to the question that you asked about the IRWST and the spent fuel pool liner welding. It has to do with functionality. The liner is there to make the tank/pool leak proof - no credit for strength, but credit for leak prevention. The function of the tank/pool is to contain water. Very important function in both cases. The key is to find an ITAAC, or other requirement, that speaks to the safety function of the tank/pool and tie the welding of the liner to the need for the water to stay in the tank/pool and be available for the safety function.

Jerry

From: Chou, Rich
Sent: Tuesday, October 06, 2009 4:54 PM
To: Franke, Mark
Cc: Carrion, Robert; Blake, Jerome; Plisco, Loren; Sykes, Marvin; Morrissey, Thomas; Reyes, Rogerio; Chou, Rich
Subject: FW: Crystal River U3 Containment cracks

Mark:

Attached are concrete cracks at the opening of the containment wall. The cracks were shown around the opening. Per the email from Len Wert, the cracks could be from the top to the bottom of the containment wall and 360 degrees around. Jery Blake mentioned the Crystal River dome lamination problem and repair during the construction. I noticed the dome problem from the Condition Report early this morning and am reviewing the Dome Lamination report prepared by the Gilbert Association dated December 1976.

Based on the review of the Condition Report for the current crack in 2009, Sixth Tendon Surveillance Report in April 1998, and the Dome Lamination and Repair Report in 1972, there is a potential relation of the dome cracks or lamination and current containment wall concrete cracks.

A-8D

From: Reyes, Rogerio
Sent: Tuesday, October 06, 2009 4:18 PM
To: Sykes, Marvin
Cc: Chou, Rich
Subject: Crystal River U3 Containment cracks

Marvin and Rich, attached are the pictures of the containment. All four sides of the opening have cracks. As we discussed, the licensee is modifying the base plate for anchor bolting for SG replacement.

J. Rogerio Reyes, P.E.
U.S. Nuclear Regulatory Commission
Resident Inspector
Crystal River Nuclear Power Plant