Masters, Anthony

From: Masters, Anthony
Sent: Wednesday, November 04, 2009 5:00 PM
To: Davis, Bradley
Cc: ODonohue, Kathleen
Subject: CR3 SIT Update

Bradley as you requested, the following is a brief summary of CR3 SIT:

The licensee has developed a special root cause team that consists of Progress Energy staff as well as contractors and engineering consultants (CTL, PII, etc..). They first developed a list of 79 possible failure modes for contributing to the root cause. They are currently systematically evaluating each mode and providing documentation to either refute or accept each one as a potential root cause. As of this morning, approximately 50 remained on the list of possibillities. The engineering consultant, PII, is evaluating each possible failure mode and documenting their conclusions and results on "evidence sheets." The evidence sheets then are reviewed by a panel of independent engineering experts for validity of the conclusions. Then the draft evidence sheets will be sent to Progress Energy for their review. As of this morning none of the approximately 20 ruled out failure modes evidence sheets has been submitted to Progress Energy.

In the meantime, CTL is continuing to perform NDT in the form of ground penetrating radar and impule response in order to assess the condition of the concrete and locate the steel reinforcement and tendons. After NDT, select areas are selected for core boring. As of this morning they have completed approximately 70% of NDT of the entire shell, and taken roughly 25 cores, which are mostly concentrated in the bay with the opening and delamination. NDT and cores in other bays have not revealed any delaminations or cracking. Currently, the only bay with delaminations is the bay with the opening and it appears concentrated around the opening.

Plans for repair are very pre-mature until the root cause and extent can be further developed.

The NRC SIT consists of Lou Lake (Lead), Bob Carrion, and myself from Region II, and George Thomas from DE in HQ, and an independent consultant from Oak Ridge National Labs, Dan Naus. I have been individually assigned to inspect their Inspection and Maintenance programs associated with ASME Section XI, Subsection IWL. Each team member is also responsible for contributing to root cause review and development of possible generic issues as a result of the findings.

Discussions with Lou are that once the root cause is complete (late November - early December timeframe), the SIT responsibilities will end and some other group will be responsible for overseeing the repairs. I would like to see if DCI (particularly CIB2) would be interested in lobbying for us to take a lead or highly supportive role in that area as that is construction based.

If you need more info just let me know.

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