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Orf, Tracy

From: Giitter, Joseph
Sent: Thursday, October 08, 2009 10:32 AM
To: Khanna, Meena
Subject: RE: STATUS UPDATE: Crystal River Containment Crack

Thanks Meena- That's good to know. However, DLR management was unaware,

From: Khanna, Meena
Sent: Wednesday, October 07, 2009 8:36 PM
To: Giitter, Joseph
Cc: Paige, Jason
Subject: RE: STATUS UPDATE: Crystal River Containment Crack

Hi Joe,

I believe Jason has kept DLR in the loop - Abdul Sheikh and Raj Auluck are from DLR...thanks

From: Giitter, Joseph
Sent: Wednesday, October 07, 2009 4:07 PM
To: Paige, Jason; Brown, Eva; Mendiola, Anthony; Dennig, Robert; Taylor, Robert; Khanna, Meena; Manoly, Kamal; Sheikh, Abdul; Thomas, George; Auluck, Rajender
Cc: Boyce, Tom (NRR); Saba, Farideh; Howe, Allen; Nelson, Robert; Burnell, Scott; Bernardo, Robert
Subject: RE: STATUS UPDATE: Crystal River Containment Crack

Guys. Please keep DLR in the loop on this issue from now on. Thanks.

From: Paige, Jason
Sent: Wednesday, October 07, 2009 1:03 PM
To: Paige, Jason; Brown, Eva; Mendiola, Anthony; Dennig, Robert; Taylor, Robert; Khanna, Meena; Manoly, Kamal; Sheikh, Abdul; Thomas, George; Auluck, Rajender
Cc: Boyce, Tom (NRR); Saba, Farideh; Giitter, Joseph; Howe, Allen; Nelson, Robert; Burnell, Scott; Bernardo, Robert
Subject: RE: STATUS UPDATE: Crystal River Containment Crack

FYI: additional pictures of containment and the crack during the hydro demolition. The licensee will explain in greater detail during the call tomorrow.

Jason

From: Paige, Jason
Sent: Wednesday, October 07, 2009 10:23 AM
To: Brown, Eva; Mendiola, Anthony; Dennig, Robert; Taylor, Robert; Khanna, Meena; Manoly, Kamal; Sheikh, Abdul; Thomas, George
Cc: Boyce, Tom (NRR); Saba, Farideh; Giitter, Joseph; Howe, Allen; Nelson, Robert; Burnell, Scott; Bernardo, Robert
Subject: RE: STATUS UPDATE: Crystal River Containment Crack

Crystal River is modifying the SG support outside lift system as a result of the crack in containment. **Tentatively, tomorrow (10/8) at 2pm**, the licensee plans on discussing this modification to the NRC as well as a status update of their efforts (currently an NDE inspection is being performed to quantify the crack to determine what needs to be done for containment to be declared operable. Containment needs to be operable by Mode 4 which is scheduled for December 2009) and plans to resolve this issue. Once the teleconference and bridgeline has been setup, I will forward to everyone.

A-M

Jason

From: Brown, Eva

Sent: Tuesday, October 06, 2009 10:16 AM

To: Paige, Jason; Mendiola, Anthony; Dennig, Robert; Chan, Terence; Taylor, Robert; Khanna, Meena

Cc: Boyce, Tom (NRR); Saba, Farideh; Giitter, Joseph; Howe, Allen; Nelson, Robert; Burnell, Scott

Subject: STATUS UPDATE: Crystal River Containment Crack

The unit is in Mode 6 with a 16 minutes time to boil. FPC intends to flood up tonight at 10:00 pm to allow them to begin unloading the core. The licensee continues to investigate the crack and has determined that it extends around a large portion of the containment. Functional/operability reviews are continuing and interim evaluations are expected to be available by this Thursday. The Region may be looking for our assistance to review the information provided. The Region has structural experts onsite and DORL continues to be in contact with the Region, Residents and the licensee to monitor the situation.

Please note that the Chairman will be onsite this Friday. Additionally, the Florida State DEP Coordinator called the site VP regarding potential contaminated water leaking from a crack in containment. The site VP was able to resolve the misinformation and is considering contacting the local press to dispel any rumors or misconceptions. The Region indicated that they have notified the EDO's office of these developments.

- Eva
x2315

From: Paige, Jason

Sent: Monday, October 05, 2009 11:33 AM

To: Mendiola, Anthony; Dennig, Robert; Chan, Terence; Taylor, Robert

Cc: Brown, Eva; Boyce, Tom (NRR); Saba, Farideh; Giitter, Joseph; Howe, Allen; Nelson, Robert

Subject: FW: Crystal River Containment Crack

FYI: See initial email below.

Additional Information and path Forward

From speaking to the licensee, the crack runs vertically, located between the horizontal hoop tendons in containment. Originally CR was planning on cutting out a section 26' by 26' but they are not sure if this will encompass the entire affected area. In 2005, CR passed its integrated leak rate test but noticed that tendons in the affected area had relaxed (indication of an issue) so they retensioned the tendons.

As a precaution, the worst case scenario after CR performs a root cause and operability analysis of containment is that they do not meet their code requirements as stated in their FSAR and will need to submit a license amendment. I'm assuming since they potentially will have to report this issue by October 15th, they will not know if they need a LAR until that date. CRs total outage is scheduled until December 18th but because of numerous issues they have encountered they are 5 to 6 shifts behind in schedule.

Jason

From: Paige, Jason

Sent: Monday, October 05, 2009 10:33 AM

To: Boyce, Tom (NRR); Giitter, Joseph; Howe, Allen; Nelson, Robert

Cc: Saba, Farideh; Brown, Eva

Subject: Crystal River Containment Crack

On Friday, Crystal River was performing hydro demolition to support steam generator removal and replacement activities (the equipment hatch is too small to remove the SGs). From performing the demolition, water was coming out of containment from a crack about 2.5 feet long (see picture). CR has a Design Containment Specialist performing a root cause investigation and identifying necessary future actions by CR to determine if containment will be operable. Currently, CR is in mode 6 so they are not in any tech spec (no action needed by DORL). Before CR can come up in power, they have to perform an analysis of why crack is ok or repair the crack. Also, CR has to demonstrate that containment will be able to support the heavy loads of the attached SG removal equipment and SGs.

Once more information is available, I will forward to you.

Jason Paige, Turkey Point Project Manager
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