

Turilin, Andrey

From: Burritt, Arthur -RA
Sent: Friday, December 16, 2011 9:16 AM
To: Raymond, William; Johnson, Jonathan; Lamb, John
Subject: Seabrook Concrete Inspection Timeline
Attachments: NRC Inspection Timeline for Degraded Concrete at Seabrook.docx

FYI - the attached is a high level timeline of the inspection we performed to date regarding Seabrook degraded concrete. The second portion is some proposed next steps to assure operability of the Seabrook concrete structures.

If welcome any comments concerns or questions

F/12

NRC Inspection Timeline for Degraded Concrete at Seabrook

Third Quarter 2010

- NextEra identifies reduced compressive strength and modulus of elasticity in the Control Building
- 1 operability sample, no findings identified (report 2010004)

Fourth Quarter 2010

- 1 Maintenance Rule sample, no findings identified (report 2010005)
- 1 finding was considered but the initial approach was explicitly prohibited by the Enforcement Manual
- License Renewal Audit verbally communicated to NextEra the need for a comprehensive plan to address ASR

First Quarter 2011

- 1 Maintenance Rule sample
- Identified 2 Maintenance Rule findings as a result of further follow up from previous period (2011002).
 - failure to re-evaluate the Control Building A2 status following the discovery of ASR
 - inadequate scoping of buildings that support the circ water and service water systems

Second Quarter 2011

- NextEra identifies reduced modulus of elasticity in additional buildings (CE, EFW, EV, EDG)
- 2 operability samples
- Identified 2 URIs
 - Inadequate 50.59 screening that incorporated the reduce modulus of elasticity into the design of the plant (use as is)
 - Inadequate operability determination (did not address all aspects impacted)
- Identified 1 finding for an untimely OD to address reduced modulus in the Control Enclosure (report 2011003)
- License Renewal inspection completed, concluded that
- Tensile stress testing identified to NextEra as a key parameter needed to assess operability

Third Quarter 2011

- Started follow-up inspection to address URIs
- Issued a TIA to address additional potential operability issues

Fourth Quarter 2011

- Identified 2 findings (report 2011011 draft)
 - Inadequate 50.59 screening, the related URI will be closed
 - Inadequate operability determination. Specifically, did not address 1) pipe and cable support anchors, 2) changes in natural frequency, 3) global seismic response of buildings. The related URI will be update and remains open
- Annual PI&R sample to address the Maintenance Rule scoping finding

C13

NRC Actions Going Forward to Address Degraded Concrete at Seabrook

Review TIA response including a Branch level call (week of 1/2)

Inspection preparation (week of 1/9)

Onsite inspection to evaluate the open operability determinations using the criteria established in the draft TIA (week of 1/16)

Finalize report with cover letter message and a response requested to address any open operability questions (week of 1/23)