

Inspection planned for week of 9/26/11 with Modes, Chaudhary, Thomas, Sheikh, and Erickson.

From Exec. Debrief:

1. confirm viability of laboratory testing to ASTM or other appropriate standards.
2. DLR use inspection results to determine if additional RAIs needed wrt comprehensive plan so that the NRC is not surprised in March 2012 when the Engineering Evaluation (EE) is completed (safety review schedule is contingent on the adequacy of the EE).
3. Have provision for BC debrief then Div. Exec. Debrief – get out the report yesterday.
  - a. High level management messaging – have they done enough in timely manner
  - b. Address time from prompt to final – potential allegation material
  - c. Open questions vs. regulatory basis.
  - d. Address lack of commitment (“planned actions” vs. regulatory commitment as defined by NEI process endorsed by NRC) on the docket
  - e. Address real barriers to progress

Item 3 could be Michael’s role with help from Conte – see scope item 9.

Preliminary Objectives of the Inspection is to (note each item and ask for input):

1. Ensure no adverse conditions or information exists that detracts from NextEra’s reasonable expectation from the evidence collected that the affected structures can perform their safety function [high degree of confidence based on current knowledge and information and in contrast to absolute assurance].
2. Obtain status on the URIs 2011003-02 and -03 based on NextEra schedules and finalized/approved plans.
3. Identify any additional information NextEra plans to obtain to validate and support the final operability determination and assess the adequacy of those plans.

Tentative Scope of Review (details not to be discussed – thought process right now):

1. Walk-down key areas for the benefit of the NRR representatives and, if time permits, observe/ review actual performance of initial assessments of a building during the course of the inspection.
2. Conduct interviews and discussions with NextEra Personnel on the subject questions from the TIA, with the POD and associated documentation for the Control Building as a test case (primarily support NRR in obtaining the information they need in order to support the TIA)
  - a. Independently assess, if time permits, the adequacy of the full walk-downs with their new structures monitoring program IAW ACI 349 (latest 2002). NOTE: these walk-downs are tied to getting core samples in the other buildings (beyond the Control Building for a full extent of condition assessment of other buildings that may have evidence of ASR – a corrective action to the NCV on Maintenance Rule.
3. Review the completed/approved initial assessment of the control building with NRR representatives – obtain similar information on the other completed initial assessments

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for the primary containment (crazed cracking issue) – obtain schedule of completion for all affected in-scope buildings for the initial assessments (expected to be completed December 2011).

4. Review NextEra finalized/approved criteria related to how initial assessment results are converted to a decision to look for ASR by new or additional core sampling.
5. Review finalized/approved plans and locations for additional core sampling for the control building along with schedule of completion (additional cores start the week of 10/3/11) – do we need to observe ???
6. Independently confirm ASR as the degradation mechanism and assess other potential degradation mechanism to the extent possible based on discussions and review of records including laboratory reports.
7. Independently review any reports or assessments (internal & external) dealing with concrete issues from construction time period. Start with one building (control building and assess need to look at other buildings and for the period beyond the construction timeframe. Example reports include: concrete mix design and production specification, compressive strength test reports; quality control reports include nonconformance report or audits associated with concrete mixing, pouring, and testing.
8. Overall, conduct interviews, review completed/approved inspection and test records, and/or other finalized/approved planning documents (such as purchase orders, schedules, work instructions, implementing procedures) and assess any obstacles to the timely completion of the final operability determinations for the control building and other structures affected by ASR (worst case building may be an example for a bounding analysis and how representative is it).
  - a. Ensure NRR representative have or will have (identify transmittal mechanism such Certrec) all necessary information in order to answer the TIA in 90 days from when that information is obtained.
  - b. Identify need to add inspector observations or reviews to this inspection for the weeks after Sept. 26
  - c. Ensure shortcomings noted by NRC staff will be addressed by the licensee in CR process at least for evaluation and need to resolve.
  - d. Independently assess how closely connected the engineering evaluation of March 2012 is to the final operability determinations.
  - e. Outbrief at the end of the week should be focused potential findings, if applicable, substantially new facts obtained for ASR issue, shortcomings that are noted in CR/ARs, Open questions or issue of concern.
9. When should Modes/Conte interview Engineering Manager and Site Vice President?