

Reactor Oversight Process Enhancement Project

Baseline Inspection Program

Inspection Area – Inservice Inspection Activities

Background

Inspection Procedure (IP) 71111.08, "Inservice Inspection Activities," addresses the Initiating Events, Mitigating Systems, and Barrier Integrity Reactor Oversight Process (ROP) Cornerstones and is intended to assess the effectiveness of the licensee's program for monitoring degradation of the reactor coolant system boundary, risk-significant piping system boundaries, and the containment boundary.

In November of 2011, IP 71111.08 was revised as part of a 2011 Inservice Inspection (ISI) working group effort to incorporate best practices.

Analysis

The regional, resident and headquarters inspectors and subject matter experts provided feedback on suggested changes to the baseline inspection procedure with intent to enhance flexibility, increase inspection efficiency, and adjust inspection requirements to emphasize increased focus of inspection on the more risk significant activities versus routine activities. Also, special consideration was given to value added inspector field observations that did not result in a finding but where there was an observed safety impact. Inspection procedure owner's assessment and ROP feedback forms were reviewed as part of the analysis. The subject matter experts also assessed how other U.S. Nuclear Regulatory Commission inspection programs (e.g. License Renewal) could interface with ISI.

Recommendations

1. Perform some inspection at the steam generator off-site eddy current testing facilities.
2. Conduct review of the updated ISI program (rather than implementation) during the first outage after the required program takes effect.
3. Credit License Renewal One Time Inspections in ISI sample.
4. Incorporate inspection of vessel internal program.

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Enclosure 4