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Robinson 2 – Quarterly Plant Inspection Findings

3Q/2017 – Plant Inspection Findings

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Initiating Events

Mitigating Systems

Barrier Integrity

Significance: G Mar 31, 2017

Identified By: NRC

Item Type: NCV Non-Cited Violation

Failure to Perform General Visual Examinations of Containment Moisture Barriers Associated with Containment Liner Leak-Chase Test Connections

An NRC-identified Green non-cited violation (NCV) of 10 CFR Part 50.55a, "Codes and Standards," was identified for the failure to perform general visual examinations of moisture barriers in the containment leak-chase channel test connections in accordance with the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME BPVC), Section XI, Subsection IWE. Following the inspectors' identification of this issue, the licensee initiated actions to conduct the required visual examinations during the March 2017 refueling outage and initiated actions to revise the containment inservice inspection (ISI) plan such that the required examinations will be performed in the future. This issue was entered into the licensee's corrective action program (CAP) as nuclear condition report (NCR) 02109909.

The failure to conduct the required visual examination of moisture barrier material in accordance with the ASME BPVC, Section XI, Subsection IWE, was a performance deficiency (PD). The finding was of more than minor significance because, if left uncorrected, it had the potential to lead to a more significant safety concern. Specifically, visual examinations of moisture barriers associated with the containment leak-chase channel test connections provide assurance that the containment metal liner and liner seam welds remain capable of performing its intended safety function. In the absence of such examinations, corrosive conditions at the moisture barrier (concrete-to-tubing interface) could go undetected. As a result, degradation of inaccessible portions of the containment liner could progress to challenge the containment operational capability. Using IMC 0609, Attachment 4, "Initial Characterization of Findings," the finding was determined to affect the Barrier Integrity Cornerstone because it involved ISI program

examinations designed to identify degradation of the containment metal liner. The inspectors screened the finding using IMC 0609, Appendix A, "The Significance Determination Process (SDP) For Findings At-Power," "Exhibit 3 - Barrier Integrity Screening Questions," and determined that the finding was of very low safety significance (Green) because it did not represent an actual open pathway in the physical integrity of the containment. The inspectors reviewed this performance deficiency for cross-cutting aspects as required by IMC 0310, "Components With Cross-Cutting Aspects." The finding was determined to be reflective of present licensee performance because in 2014, the licensee did not take effective corrective actions to implement the ASME BPVC requirements in the Subsection IWE Program, when a reasonable opportunity was available through the review of NRC Information Notice (IN) 2014-07, which highlighted this industry-wide problem. Therefore, the finding was assigned a cross-cutting aspect in the resolution component of the problem identification and resolution cross-cutting area.

Inspection Report# : 2017001 (*pdf*)

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Security

The security cornerstone is an important component of the ROP, which includes various security inspection activities the NRC uses to verify licensee compliance with Commission regulations and thus ensure public health and safety. The Commission determined in the staff requirements memorandum (SRM) for SECY-04-0191, "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public Disclosure," dated November 9, 2004, that specific information related to findings and performance indicators associated with the security cornerstone will not be publicly available to ensure that security-related information is not provided to a possible adversary. Security inspection report cover letters will be available on the NRC Web site; however, security-related information on the details of inspection finding(s) will not be displayed.

Miscellaneous

Current data as of : November 29, 2017

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