

Millstone 3

1Q/2003 Plant Inspection Findings

Initiating Events

Mitigating Systems

Significance:  Mar 29, 2003

Identified By: NRC

Item Type: NCV NonCited Violation

Failure of the licensee to identify an error in design calculations involving the technical specification for emergency diesel fuel oil storage tank level, and failure to prevent translation of this e

The inspectors identified a violation of 10 CFR 50, Appendix B, Criterion III, for inadequate design control measures to provide for the verification of a design and for failure to assure that regulatory requirements were correctly translated into procedures. Specifically, the licensee failed to identify a calculation error from 1992 and 1993 regarding technical specification (TS) fuel oil storage tank levels, and then failed to prevent the error from being translated into the TS surveillance procedure that demonstrates EDG operability. This finding is more than minor because required EDG fuel oil storage tank levels were incorrectly translated into technical specification surveillance procedures and the actual tank level calculations had to be reformed to assure historical TS requirements were met. This is similar to example 3.i in Appendix E of Manual Chapter 0612, Power Reactor Inspection Reports. The finding was determined to be of very low safety significance (Green), and is being dispositioned as a Non-Cited Violation, based on licensee analysis that determined no loss of safety function for the EDGs. This finding regarding the failure to identify the incorrect calculations and the subsequent error in the TS surveillance procedure is related to the licensee's Problem Identification and Resolution process.

Inspection Report# : [2003002\(pdf\)](#)

Significance:  Sep 28, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

DESIGN CONTROL - FAILURE TO IDENTIFY AND EVALUATE A DESIGN DEFICIENCY REGARDING THE RECIRCULATION SPRAY SYSTEM (RSS) AND SUSCEPTIBILITY TO WATER HAMMER

The inspectors identified a failure to evaluate the ability of the service water piping to withstand a column separation water hammer. Specifically, the licensee failed to evaluate whether certain portions of the service water return piping from the recirculation spray system were susceptible to transient loads in excess of those described in design basis structural integrity limits. The finding impacted the Mitigating Systems Cornerstone and had the potential to reduce the reliability of service water cooling to the recirculation spray system. However, this finding was determined to be of very low safety significance (Green) because a subsequent operability determination concluded that the affected piping system would remain functional under postulated accidents conditions. The issue was determined to be a violation of 10 CFR 50, Appendix B, Criterion III, Design Control. Because the finding is of very low safety significance and was captured in the licensee's corrective action program, this finding is being treated as a non-cited violation, consistent with Section VI.A of the NRC Enforcement Policy.

Inspection Report# : [2002005\(pdf\)](#)

Barrier Integrity

Significance:  Sep 28, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

INADEQUATE PROCEDURE TO DRAIN AN ISOLATED REACTOR COOLANT SYSTEM LOOP

The inspectors identified an inadequate operating procedure, which resulted in a failure to maintain an isolated reactor coolant system (RCS) loop pressure below its TS required pressure limit. The finding impacted the Barrier Integrity Cornerstone and had an actual impact of exposing an isolated RCS loop to a pressure that exceeded a pressure-temperature limit delineated in the TS. The finding was of very low safety significance (Green) because there was no adverse impact on the structural integrity of any RCS components and the requirements of TS were met. This issue was determined to be a violation of Technical Specification 6.8.1, Procedures and Programs. Because the finding is of very low safety significance and was captured in the licensee's corrective action program, this finding is being treated as a non-cited violation, consistent with Section VI.A.1 of the NRC Enforcement Policy.

Inspection Report# : [2002005\(pdf\)](#)

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Physical Protection

Miscellaneous

Last modified : May 30, 2003