Nine Mile Point 1
4Q/2006 Plant Inspection Findings

Initiating Events

Mitigating Systems

Significance: G Oct 20, 2006
Identified By: NRC
Item Type: NCV NonCited Violation
Inadequate Design Control for Unit 1 EDG Raw Water Cooling System
The team identified a green, non-cited violation of 10CFR50, Appendix B, Design Control, in that measures had not been established to verify or check the adequacy of the Unit 1 Emergency Diesel Generator (EDG) cooling water design. Specifically, the EDG cooling water system hydraulic calculation did not account for flow resistance due to degradation of strainers or friction losses in the common return piping from the EDG 102 and 103 coolers. Additionally, the minimum acceptable pump performance allowed during testing, when combined with allowable system losses, did not ensure the design basis minimum flowrate would be provided to the EDGs under the most limiting conditions. Constellation performed an operability determination, initiated a standing order to monitor strainer differential pressure during EDG operation, and entered the strainer differential pressure and degradation of the common discharge piping issues into the corrective action program for resolution.
The finding is more than minor because it is associated with the design control attribute of the Mitigating System cornerstone and inadequate design control measures affect the objective to ensure the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. The finding was determined to be of very low safety significance (Green) since it did not result in a loss of safety system function.
Inspection Report# : 2006008 *(pdf)*

Significance: G Oct 20, 2006
Identified By: NRC
Item Type: NCV NonCited Violation
Non-Conservative Assumptions in Safety Related Battery Sizing Calculation
The team identified a green, non-cited violation of 10 CFR 50, Appendix B, Criterion III, Design Control, for Constellation's failure to ensure that adequate design control measures existed to verify the adequacy of the design capacity for the Unit 1 Battery 11. This resulted in non-conservative design inputs and a potential reduction in the battery's expected life. Constellation entered the concerns identified with the battery analysis of record into their corrective action program for resolution.

The finding is more than minor because it is associated with the design control attribute of the Mitigating System cornerstone and inadequate design control measures affect the objective to ensure the availability, reliability, and capability of the 125 VDC system which responds to initiating events to prevent undesirable consequences. Although the errors did reduce the design margin in all event scenarios, (Loss of Coolant Accident/Loss of Offsite Power, SBO & Appendix R) the impact was greatest for the Appendix R scenario.
The finding was determined to be of very low safety significance (Green) since it did not result in a loss of safety system function. While the expected life of the battery was reduced it was still determined to be operable. With respect to Appendix R, the issue was determined to be associated with the finding category of Post-Fire Safe Shutdown with a low degradation.
Inspection Report# : 2006008 *(pdf)*

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Physical Protection

Physical Protection information not publicly available.

Miscellaneous

Last modified : March 01, 2007