

McGuire 1 4Q/2013 Plant Inspection Findings

Initiating Events

Significance: G Jun 30, 2013

Identified By: Self-Revealing

Item Type: FIN Finding

Failure to implement adequate venting instructions for condensate booster pump trip instrumentation resulting in reactor trip

A self-revealing finding was identified for the licensee's failure to implement adequate instructions for venting condensate booster pump (CBP) emergency low suction pressure trip instrumentation which resulted in air entrainment causing a non-conservative shift in the trip setpoint. During a subsequent secondary side transient involving a heater drain tank pump trip, the non-conservative trip setpoint resulted in a premature trip of all three CBPs ultimately causing a reactor trip.

The performance deficiency was more than minor because it affected the Procedure Quality attribute of the Initiating Events Cornerstone and adversely affected the cornerstone objective, in that, the inadequate venting allowed air entrainment in the instrumentation lines resulting in a reactor trip. This finding was determined to have very low safety significance (Green) because it did not contribute to the likelihood of both a reactor trip and that mitigation equipment or functions would not be available. No cross cutting aspect was identified.

Inspection Report# : [2013003](#) (*pdf*)

Mitigating Systems

Significance: G Feb 15, 2013

Identified By: NRC

Item Type: NCV NonCited Violation

Modifications Result in Nonfunctional Fire Doors

An NRC identified Green non-cited violation of McGuire's Selected Licensing Commitment 16.9.5, Fire Rated Assemblies was identified for the licensee's inadequate implementation of modifications that results in nonfunctional fire doors. The Licensee has entered the finding into the corrective action program as PIP M-13-01454, declared the doors as nonfunctional and implemented fire watches for the fire areas of concern.

The licensee's inadequate implementation of fire door modifications that resulted in the failure to meet the requirements of Selected Licensee Commitment 16.9.5, Fire Rated Assemblies, was a performance deficiency. The performance deficiency was more than minor because it adversely affected the Mitigating Systems cornerstone attribute of Protection Against External Events. Specifically, the welding modifications performed on nine doors adversely affected their capability to provide the required 3-hours of fire resistance. In accordance with NRC IMC 0609 Appendix F, Part 1; "Fire Protection Significance Determination Process Phase 1 Worksheet" the inspectors determined the finding to be of very low safety significance (Green) because the fire doors would still provide a minimum of 20 minutes fire endurance protection A cross-cutting aspect was not assigned because the performance deficiency does not reflect current licensee performance. (Section 1R05.02)

Inspection Report# : [2013007](#) (*pdf*)

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Security

Although the Security Cornerstone is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page. Therefore, the [cover letters](#) to security inspection reports may be viewed.

Miscellaneous

Last modified : February 24, 2014