Catawba 2
2Q/2015 Plant Inspection Findings

Initiating Events

Significance: G Jun 19, 2015
Identified By: NRC
Item Type: NCV Non-Cited Violation
Failure to Analyze the Spurious Operation of Control Room Area Ventilation Valves and the Adverse Impact on Control Room Habitability
Green: The NRC identified an NCV of the Unit 1 and 2 Catawba Nuclear Station (CNS) Facility Operating License, Condition 2.C.5, for the failure to analyze the spurious operation of two motor operated valves (MOVs) in the control room area ventilation system (CRAVS) and the adverse impact on control room habitability. The licensee entered the issue in its correction action program as action request (AR) 01930126 and a continuous fire watch was already in place due to deficiencies identified during the site's ongoing NFPA 805 licensing activities.

The failure to analyze the spurious operation of two MOVs in the CRAVS and the adverse impact on control room habitability was a performance deficiency (PD). The performance deficiency was more than minor because it was associated with the protection against external events (i.e. Fire) attribute of the Initiating Events Cornerstone and it adversely affected the cornerstone objective to limit the likelihood of events that upset plant stability and challenge critical safety functions during shutdown as well as power operations. Specifically, the finding could be reasonably viewed as a precursor to a significant event based on smoke migration into the control room that could challenge control room habitability and lead to an evacuation of the control room. This PD was the result of degraded defense-in-depth features that limit the effects of a fire to one fire area. The finding was screened as Green because the reactors would be able to reach and maintain safe shutdown utilizing the standby shutdown facility. No cross cutting aspect was assigned because the finding was not indicative of current licensee performance.
Inspection Report# : 2015012 *(pdf)*

Mitigating Systems

Significance: G Jun 19, 2015
Identified By: NRC
Item Type: NCV Non-Cited Violation
Fire Protection Program Change did not meet CNS License Condition Requirement 2.C.5 for Units 1 and 2.
Green: The NRC identified a non-cited Severity Level IV violation of the Unit 1 and 2 CNS Facility Operating License, Condition 2.C.5, for the failure to implement and maintain in effect all provisions of the approved fire protection program (FPP). Specifically, the licensee made a change to the approved FPP which involved the de-rating of a credited three hour

fire barrier between the control room and the cable spreading room(s) to only a pressure and smoke barrier. The licensee entered the issue in its corrective action program as AR 01932211 and it was added to existing fire watches for the area.

The failure to comply with the CNS Operating License Condition 2.C.5 for a change to the approved FPP involving the de-rating of a credited three hour fire barrier between the control room and the cable spreading room(s) was a performance deficiency. The performance deficiency was more than minor because it was associated with the Mitigating Systems Cornerstone attribute of protection against external events (i.e. Fire.) The performance deficiency negatively affected the cornerstone objective in that the change to the FPP had the potential to adversely affect the availability of the control room to achieve and maintain stable plant conditions due to the increased likelihood of control room abandonment in the event of a fire in the cable spreading rooms. The licensee's failure to submit the FPP change to the NRC was determined to impede the regulatory process because the FPP change required NRC review and approval prior to implementation.
The finding was screened as Green because based upon inspection of the affected barriers, the inspectors determined that the barriers would provide a 1-hour or greater fire endurance rating. This violation was determined to be a Severity Level IV violation because the associated finding was evaluated by the SDP as having very low safety significance (i.e., Green finding). No cross cutting aspect was assigned because the finding was not indicative of current licensee performance.
Inspection Report# : 2015012 *(pdf)*

Significance: G Sep 30, 2014
Identified By: NRC
Item Type: NCV Non-Cited Violation
Failure to Implement Fire Impairment Requirements for a Degraded Committed Fire Barrier
Green: An NRC-identified non-cited violation (NCV) of the Unit 2 Facility Operating License, Condition 2.C.5, Fire Protection Program, was identified for failure to implement and maintain all provisions of the approved fire protection program. The inspectors identified a degraded committed fire barrier that was not evaluated as a fire impairment.

The inspectors determined the failure to perform the required fire impairment actions was a performance deficiency (PD). The PD was more than minor because it was associated with the Mitigating System Cornerstone attribute of Protection against External Factors (fire) and adversely affected the cornerstone objective in that there was no reasonable assurance the degraded fire barrier would fulfill its designed 3-hour fire rating. The inspectors determined the finding was determined to be of very low safety significance (Green) because a fully functioning automatic suppression system on either side of the barrier was in place. This finding had a cross-cutting aspect of identification (P.1), as described in the Problem Identification and Resolution cross-cutting area as the licensee failed to enter the damaged fire barrier into their corrective action program which prevented the appropriate fire protection program reviews and compensatory actions.

Inspection Report# : 2014004 *(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 : August 07, 2015