

Farley 2

2Q/2011 Plant Inspection Findings

Initiating Events

Mitigating Systems

Significance:  Dec 31, 2010

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Follow Station Guidance on Use of Extension Cords and Placement of Equipment in Safety-Related Cable Trays (Section 1R05)

An NRC identified NCV of Technical Specification (T.S.) 5.4.1 was identified for failure to follow station maintenance procedures related to the use of extension cords, which resulted in an energized smoke eductor and its extension cord located within one inch of a safety-related cable tray. On September 30, 2010, the inspectors discovered an operating smoke eductor sitting atop safety-related cable tray AID15A in the Unit 2 component cooling water (CCW) pump and heat exchanger room. The inspectors also noted safety-related cable tray AHD21A ran parallel with, and approximately 36 inches above, cable tray AID15A. The inspectors evaluated the cables in both safety-related cable trays, and learned Unit 2 train 'A' residual heat removal (RHR) and the hot shutdown panel were likely components that would be negatively affected in the event of a fire from this energized equipment. The inspectors immediately notified control room personnel, who then removed the smoke eductor and wrote condition report (CR) 2010113318.

The failure to maintain an energized and operating smoke eductor with its extension cord greater than one inch from a safety-related cable tray as required by station procedure, FNP-0-ACP-59, Extension Cord Usage and Temporary Electrical Cable Installation Guidelines, is a performance deficiency. The finding was more than minor because it adversely affected the mitigating systems (MS) cornerstone objective of ensuring the availability, reliability, and capability of systems responding to initiating events to prevent undesirable consequences. Specifically, a fire resulting from this energized equipment would challenge train 'A' RHR pump and valves, and potentially lead to the train being inoperable. The significance of this finding was assessed using the Phase 1 screening worksheets of Attachment 4 and Appendix F, Attachment 1 of Manual Chapter (MC) 0609, SDP. Additionally, Phase 2 worksheets of Appendix F, Attachment 1 were used, and the finding was determined to be of very low safety significance (Green), because the safe shutdown path was deemed independent of fire damage state scenarios for the given fire ignition source. The finding was assigned a cross-cutting aspect in the Work Practices component of the Human Performance cross-cutting area because station personnel failed to follow guidance in station procedures related to the control of cable trays (H.4 (b)).

Inspection Report# : [2010005](#) (*pdf*)

Significance: SL-IV Sep 30, 2010

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to adopt appropriate procedures to evaluate deviations and failures to comply with 10 CFR 21 evaluations

SL IV. An NRC identified violation of 10 CFR 21.21, Notification of failure to comply or existence of a defect and its evaluation, was identified for an inadequate procedure, resulting in the licensees' untimely reporting of a substantial safety hazard. Specifically, the licensees' station procedure FNP-0-AP-62, Evaluation of Defects and Non-compliances Potentially Reportable Under 10CFR21, failed to identify the appropriate timeliness aspect required by 10 CFR 21.21(a), and allowed the term "discovery" to be the date of the Plant Review Board (PRB) approval, regardless of the date of discovery of the deviation. This resulted in a substantial safety hazard being reported approximately 260 days after the deviation was identified. The NRC received the Part 21 report on July 6, 2010 (approximately 260 days after discovery of the deviation).

The inspectors determined the inadequate procedure allowing untimely reporting of substantial safety hazards was a performance deficiency. This finding was more than minor because if the procedure was left uncorrected, a more serious safety concern could occur. Specifically, failure to evaluate deviations and to perform notifications within the specified time frame, 60 days, does not allow for timely evaluation of other components that could be subject to the deviation. Because this issue affected a potential reporting requirement and the NRC's ability to perform its regulatory function, it was evaluated using the traditional enforcement process. Consistent with the guidance of the NRC Enforcement Policy, this violation was categorized at Severity Level IV NCV. This finding was assigned a cross-cutting aspect in the CAP component of the PI&R area in that problems should be thoroughly evaluated such that the resolutions address causes and extent of conditions, as necessary. This includes properly classifying, prioritizing, and evaluating for operability and reportability conditions adverse to quality. Specifically, the licensee was untimely in evaluating and reporting the substantial safety hazard (P.1(c)). (Section 40A2.2)

Inspection Report# : [2010004](#) (*pdf*)

Significance:  Sep 30, 2010

Identified By: Self-Revealing

Item Type: NCV NonCited Violation

Inadequate procedure leads to LOSP on Unit 2 4160 volt safety related bus

Green. A self-revealing NCV of 10 CFR 50, Appendix B, Criterion V, Instructions, Procedures, and Drawings, was identified for the licensee's failure to modify surveillance test procedure FNP-2-STP-40.0, Safety Injection with Loss of Off-site Power (LOSP) Test. Following implementation of a modification to the LOSP/Safety Injection (SI) sequencer on both units, the licensee failed to update FNP-2-STP-40.0, resulting in an inadequate procedure. The procedure failed to address placing the Test Trip Override Switch in its "OFF" position during restoration steps. This resulted in an unplanned power interruption to the 2F electrical bus from its only source of power during the test conducted on April 30, 2010, and subsequent re-loading of safety-related loads by the LOSP/SI sequencer, B2F. Following the unplanned power interruption, the licensee implemented a temporary procedure change and promptly restored plant components to required conditions for the current plant mode of operation. The licensee entered the event in its corrective action program (CAP) as CR 2010105854.

The finding is more than minor because it adversely affected the procedure quality attribute of the Mitigating Systems (MS) cornerstone objective of ensuring the availability, reliability, and capability of systems responding to initiating events to prevent undesirable consequences (i.e. core damage). Specifically, this finding affected the Unit 2 Train 'A' 4160 volt safety-related 2F electrical bus's ability to provide power to engineered safeguards feature components. Because the unit was in Mode 6, with greater than 23 feet of water above the reactor vessel, the significance of this finding was assessed using the Phase 1 screening worksheets of Attachment 4 and Appendix G, Attachment 1, Checklist 4 of IMC 0609, SDP. The inspectors determined this finding was of very low safety significance (Green), because it did not increase the likelihood of a loss of reactor coolant system (RCS) inventory or degrade the licensee's ability to terminate a leak path or add to RCS inventory. This finding was assigned a cross-cutting aspect in the resources component of the Human Performance area because complete, accurate, and up-to-date procedures were not provided (H.2(c)). (Section 40A3.2)

Inspection Report# : [2010004](#) (*pdf*)

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Physical Protection

Although the NRC is actively overseeing the Security cornerstone, the Commission has decided that certain findings pertaining to security cornerstone will not be publicly available to ensure that potentially useful information is not provided to a possible adversary. Therefore, the [cover letters](#) to security inspection reports may be viewed.

Miscellaneous

Significance: N/A Aug 24, 2007

Identified By: NRC

Item Type: FIN Finding

Biennial Identification and Resolution of Problems Inspection Results

One finding of very low safety significance (Green) was identified. The licensee was generally effective in identifying problems at a low threshold and entering them into the corrective action program. The licensee properly prioritized issues entered into the corrective action program (CAP) and routinely performed evaluations that were technically accurate and of sufficient depth to address the issue documented in the condition reports (CRs). Overall, corrective actions were effective; however, minor examples of inadequate condition report broadness reviews and documentation issues related to the closure of action items were identified. In general, operating experience was found to be used both proactively and reactively by personnel involved in the corrective action program; however, an example of industry operating experience was identified in which the licensee did not completely develop interim compensatory measures for a condition to which Farley was vulnerable. The licensee's programmatic self-assessments and audits were generally effective in identifying weaknesses in the corrective action program; however, a missed opportunity in the trending of issues which could result in adverse effects on safety-related plant components was identified. The inspectors also concluded that the workers at Farley felt free to report safety concerns.

Inspection Report# : [2007006](#) (*pdf*)

Last modified : October 14, 2011