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Beaver Valley 2 – Quarterly Plant Inspection Findings

2Q/2017 – Plant Inspection Findings

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Initiating Events

Mitigating Systems

Significance: G Sep 30, 2016

Identified By: NRC

Item Type: NCV Non-Cited Violation

Failure to Identify Conditions Adverse to Quality Leads to Inoperable Emergency Bus Degraded Voltage Relays

The inspectors identified a Green NCV of Title 10 Code of Federal Regulations (CFR) 50, Appendix B, Criterion XVI, "Corrective Action," for FENOC's failure to assure that a condition adverse to quality was promptly identified and corrected. Specifically, FENOC failed to promptly identify and correct a negative trend in setpoint drift and "as found" dropout voltage values in the AB 27N model 411T6375HF 4160 volts alternating current (VAC) and 480 VAC emergency bus degraded voltage relays. FENOC's immediate corrective actions included recalibrating or replacing the relays and entering the issue into their corrective action program (CAP) as condition report (CR) 2016-12018.

The performance deficiency is more than minor because it is associated with the Equipment Performance attribute of the Mitigating Systems cornerstone and adversely affected the cornerstone objective of ensuring the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Specifically, FENOC's failure to promptly identify and address a negative trend in dropout voltage setpoint drift and "as found" values resulted in the reduced reliability of safety related bus degraded voltage relays (seven surveillance failures and inoperable degraded bus relays between 2011 and 2016). Inoperable emergency bus degraded voltage relays could lead to damage of safety-related equipment during a loss of offsite power. This finding is of very low safety significance (Green) because it does not represent a loss of system and/or function, an actual loss of function of a single train for greater than its technical specification allowed outage time, an actual loss of function of one non-technical specification trains designated as high safety significant, and did not involve a loss or degradation of equipment designed to mitigate a seismic, flooding, or severe weather initiating event. The finding has a cross-cutting aspect in the area of Problem Identification and Resolution, Trending, because FENOC did not periodically analyze the results of the degraded

voltage relay surveillances to provide early indication of a declining trend. [P.4].

Inspection Report# : 2016003 (*pdf*)

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Security

The security cornerstone is an important component of the ROP, which includes various security inspection activities the NRC uses to verify licensee compliance with Commission regulations and thus ensure public health and safety. The Commission determined in the staff requirements memorandum (SRM) for SECY-04-0191, "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public Disclosure," dated November 9, 2004, that specific information related to findings and performance indicators associated with the security cornerstone will not be publicly available to ensure that security-related information is not provided to a possible adversary. Security inspection report cover letters will be available on the NRC Web site; however, security-related information on the details of inspection finding(s) will not be displayed.

Miscellaneous

Current data as of : August 03, 2017

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