


Kewaunee 1Q/2003 Plant Inspection Findings

Initiating Events

Mitigating Systems

Significance:  Oct 01, 2002

Identified By: NRC

Item Type: VIO Violation

Failure to Provide Fixed Suppression System in Fire Area TU-95B

During performance of follow-up activities in response to a USNRC inspection, the licensee identified that fire area TU-95B had been misclassified in that it should have been classified as required to meet the requirements of Section III.G.3 of 10 CFR Part 50, Appendix R. An apparent violation of 10 CFR Part 50, Appendix R, Section III.G.3 was identified for the failure to provide fire area TU-95B with a fixed fire suppression system. This issue has been preliminarily determined to have low to moderate safety significance (White). As a result of failing to have a fixed fire suppression system, there was a greater likelihood that a fire in fire area TU-95B would not be suppressed and redundant trains of cables and equipment required for safe shutdown could be damaged. The corresponding damage could require a shutdown of the plant from outside the control room, significantly increasing the complexity of manual actions required to achieve safe shutdown.

Inspection Report# : [2002006\(pdf\)](#)

Significance:  Oct 01, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Inappropriate Placement of Diesel Generator Room Heat Detectors

During performance of a triennial fire protection inspection, USNRC Region III staff identified that heat detectors used for activation of a diesel generator room carbon dioxide (CO2) system were not located and installed in accordance with the applicable National Fire Protection Association (NFPA) code. Specifically, no heat detectors were located at the ceiling level. The failure to appropriately locate and install heat detectors for actuation of the CO2 system is a violation of the Kewaunee Nuclear Power Plant operating license. The finding was greater than minor because it affected the protection against external factors (i.e., fire) attribute for mitigating systems. As a result of the inadequate heat detector placement, actuation of the carbon dioxide system in the diesel generator room could be delayed. The finding was of very low safety significance because the inspector was not able to identify a fire scenario in which safety significant cables would be damaged prior to actuation of the carbon dioxide system.

Inspection Report# : [2002006\(pdf\)](#)

Significance:  Sep 30, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Provide Appendix R Barriers Between Dedicated and Alternate Fire Zones

A finding of very low risk significance was identified by the inspectors for the licensee's failure to provide fire barrier seals on auxiliary building Appendix R walls separating the Dedicated and Alternate fire zones.

Inspection Report# : [2002005\(pdf\)](#)



Significance: Jun 30, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to incorporate adequate acceptance criteria in service water procedure

Green. The licensee failed to incorporate vendor information in a note contained in an operations procedure. The inaccurate note resulted in a service water pump being inappropriately declared operable. This finding was determined to be a Non-Cited Violation of Technical Specification 6.8.a, "Procedures".

Inspection Report# : [2002003\(pdf\)](#)



Significance: Jun 30, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to meet battery surveillance Technical Specification requirements

Green. The licensee failed to measure and record safety-related battery cell electrolyte levels on a quarterly basis due to surveillance procedure inadequacies, which inhibited the licensee's ability to monitor and trend battery cell performance. Technical Specifications 4.6.b.2 and 4.6.b.3 required that the licensee measure and record battery cell electrolyte level on a quarterly basis. A Non-Cited Violation was identified.

Inspection Report# : [2002003\(pdf\)](#)



Significance: Jun 30, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to maintain design control of component cooling water pumps

Green. The licensee failed to adequately maintain design control of the component cooling water pumps, which resulted in the inability of a redundant train component cooling pump to provide cooling of safety-related loads due to the likely failure of the pump following a safety injection actuation. This finding was determined to be a Non-Cited Violation of 10 CFR Part 50, Appendix B, Criterion III, Design Control.

Inspection Report# : [2002003\(pdf\)](#)

Barrier Integrity



Significance: Mar 31, 2003

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Log Axial Flux Difference in Accordance with Technical Specifications

The inspectors identified a finding of very low risk significance for the licensee's failure to monitor and log axial flux difference after disabling the power range axial flux monitor and computer alarm. The finding was of greater than minor risk significance because the operators failure to log and assess axial flux difference with the alarm disabled as required by Technical Specifications inhibited the operators' ability to trend changing core flux conditions. This failure

to log and assess axial flux difference could affect fuel cladding performance which is an attribute of the Barrier Integrity Cornerstone. The finding was of very low risk significance because although the finding impacted the Barrier Integrity Cornerstone, it affected the fuel barrier and not the reactor coolant system barrier and no actual abnormal axial flux difference existed during the time that the axial flux monitor alarm was disabled. The finding also affected the cross-cutting area of Human Performance because during the course of establishing a fixed signal in the Process Computer, operators were conducting activities beyond the bounds of approved procedural guidance. This finding was determined to be a Non-Cited Violation of Technical Specification 3.10.b.13.

Inspection Report# : [2003002\(pdf\)](#)

Emergency Preparedness



Significance: Sep 30, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Correct an Instrument Deficiency

A Non-Cited Violation of 10 CFR 50.54(q) was identified for the failure to correct a self-revealing deficiency that was initially identified in June 2002 and that was related to the emergency planning standards of 10 CFR 50.47(b). The deficiency concerned the meteorological monitoring system's instrumentation and the resulting erroneous 10-meter wind direction indications in the Control Room. Correct wind direction information would be required to ensure the capability to provide accurate dose assessments and protective action recommendations under accident conditions, as required by the Kewaunee Emergency Plan. The finding was determined to be of very low safety significance because the erroneous wind direction readings were identified prior to being needed for response to an actual emergency and alternate means were available to obtain accurate meteorological data. Therefore, the issue did not result in the failure to meet a planning standard.

Inspection Report# : [2002005\(pdf\)](#)

Occupational Radiation Safety

Public Radiation Safety

Physical Protection

Miscellaneous

Last modified : May 30, 2003