

## Hatch 1

# 1Q/2016 Plant Inspection Findings

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## Initiating Events

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## Mitigating Systems

**Significance:**  Oct 23, 2015

Identified By: NRC

Item Type: NCV Non-Cited Violation

### **Failure to Assure that Class 1E Components were Qualified for Design Temperatures**

The NRC identified a Non-cited Violation of 10 CFR Part 50, Appendix B, Criterion VII, “Control of Purchased Material, Equipment, and Services,” for the licensee’s failure to ensure that adequate environmental test requirements were satisfied before relying on safety-related components to perform their intended safety functions. As an immediate corrective action, the licensee performed an operability evaluation and determined the components were operable. In addition, the licensee indicated that they planned to determine adequate corrective actions to restore full qualification of these commercial grade components, and entered this issue into their Corrective Action Program as Condition Report 10138133.

The performance deficiency was determined to be more than minor because it was associated with the Design Control attribute of the Mitigating Systems Cornerstone, and adversely affected the cornerstone objective, in that the licensee failed to verify the environmental qualification of safety-related components to ensure their performance up to the expected temperature of 150 degrees F. The finding was determined to be of very low safety significance (Green) because it was a deficiency affecting the design or qualification of a mitigating SSC, and the SSC maintained its operability or functionality. This finding was not assigned a cross-cutting aspect because the issue did not reflect current licensee performance

Inspection Report# : [2015007](#) (*pdf*)

**Significance:**  Oct 23, 2015

Identified By: NRC

Item Type: NCV Non-Cited Violation

### **Failure to Verify Design Basis Timing Margins for Safety Related Motor Operated Valves**

Green: The NRC identified a Non-cited Violation of 10 CFR Part 50, Appendix B, Criterion III, “Design Control,” for the licensee’s failure to evaluate if transients in control power voltage could affect the design basis margins for the timing of safety-related motor operated valves (MOVs).

The licensee planned to perform corrective actions to ensure that the safety analysis remains bounded, and entered this violation into their Corrective Action Program as Condition Report 10138053.

The performance deficiency was determined to be more than minor because it was associated with the Design Control attribute of the Mitigating Systems Cornerstone, and adversely affected the cornerstone objective, in that the failure to evaluate transients that effect the timing margins

for NOVs affected the established reliability and capability of the valves. The finding was determined to be of very low safety significance (Green) because the deficiency did not result in actual loss of safety function. This finding was no assigned a cross-cutting aspect because the issue did not reflect current licensee performance

Inspection Report# : [2015007](#) (*pdf*)

**Significance:**  Sep 30, 2015

Identified By: NRC

Item Type: NCV Non-Cited Violation

### **Failure to Perform Adequate Surveillance on Fire Barriers and Penetration Seals**

The NRC identified a non-cited violation (NCV) of Hatch Operating License Conditions (OLCs) 2.C.(3) and 2.C.(3)(a), for Units 1 and 2 respectively, for the licensee's failure to perform fire barrier penetration seal inspections in accordance with the requirements of Surveillance Requirement 2.1.1.c of Appendix B of the Fire Hazard Analysis (FHA). Specifically, the licensee failed to ensure that fire-rated penetrations and fire-rated barriers separating redundant safe-shutdown trains were adequate to keep a fire from spreading from one fire area to another. To restore compliance the licensee performed a 100 percent inspection of fire-rated penetrations to verify the material condition of the site's rated fire barrier penetrations.

The licensee's failure to perform fire barrier penetration seal inspections was a performance deficiency. The performance deficiency was determined to be more than minor because it was associated with the reactor safety Mitigating Systems cornerstone attribute of protection against external factors (i.e. fire), and adversely affected the cornerstone objective of ensuring the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Based on the finding being of very low probability, the finding was determined to be of very-low safety significance (Green). The cause of the finding had a cross-cutting aspect in the area of Human Performance, field presence, because plant leadership did not reinforce standards and expectations, and did not ensure that deviations from standards and expectations were corrected promptly (H.2). Specifically, licensee oversight was not properly engaged to ensure that surveillances were performed adequately, and that deviations were addressed appropriately.

Inspection Report# : [2015003](#) (*pdf*)

**Significance:**  Sep 30, 2015

Identified By: NRC

Item Type: NCV Non-Cited Violation

### **"1A" PSW Pump High Vibration Failure**

A self-revealing, NCV of 10 CFR 50, Appendix B, Criterion V, "Procedures, Instructions, and Drawings," was identified when the licensee failed to provide instructions to ensure alignment of the "1A" plant service water (PSW) pump column in the true vertical position. The failure to align the "1A" PSW pump column resulted high stresses which caused the failure of the "1A" PSW pump. To restore compliance, the licensee replaced the "1A" PSW pump and revised the pump installation procedure to ensure the pump column is aligned in the true vertical position.

Failure to provide instructions to ensure appropriate vertical alignment of the "1A" PSW pump column was a performance deficiency. This performance deficiency was more than minor because it affected the Mitigating Systems cornerstone attribute of Equipment Performance and adversely affected the cornerstone objective in that the misalignment of the pump column resulted in inoperability of the "1A" PSW pump. A regional Senior Reactor

Analyst (SRA) performed a detailed risk review of the finding. The SRA calculated the difference between the risk associated with loss of offsite power (LOOP) events with extended recovery times with the “1A” pump available, and without the pump. Because of the low frequency of the seismic event, the finding was determined to be Green. The inspectors determined that this finding did not have an associated cross cutting aspect because this finding was not reflective of current licensee performance. (4AO3.3)

Inspection Report# : [2015003](#) (*pdf*)

**Significance:**  Jun 30, 2015

Identified By: NRC

Item Type: NCV Non-Cited Violation

### **Failure to Maintain HELB Penetrations**

A Green NRC identified non-cited violation (NCV) of 10 CFR 50, Appendix B, Criterion III, “Design Control,” was identified for failure to maintain reactor building residual heat removal (RHR) diagonal room penetrations in the designed configuration. The violation was entered into the licensee’s corrective action program as CR 10055943. The licensee issued work orders to seal the affected penetrations in accordance with design documents.

The licensee’s failure to maintain the penetration seals in accordance with design drawings was a performance deficiency. The performance deficiency was more than minor because it was associated with the Design Control attribute of the Mitigating Systems Cornerstone and adversely affected the cornerstone objective in that the failure to maintain the design basis configuration compromised the capability of the RHR diagonal room wall to restrict a high pressure coolant injection (HPCI) high energy line break to the torus area. The finding was of very low safety significance (Green) because the loss of component function did not significantly affect the function of the train or system. The inspectors determined that the finding had a cross-cutting aspect of “work management” in the human performance area (H.5), because the licensee’s work process did not control work activities such that nuclear safety was the overriding priority. (Section 1R15)

Inspection Report# : [2015002](#) (*pdf*)

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## **Barrier Integrity**

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## **Emergency Preparedness**

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## **Occupational Radiation Safety**

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## **Public Radiation Safety**

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## **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.

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## Miscellaneous

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