

Beaver Valley 1

1Q/2015 Plant Inspection Findings

Initiating Events

Mitigating Systems

Significance:  Dec 04, 2014

Identified By: NRC

Item Type: NCV Non-Cited Violation

Green NCV

The Commission has decided that specific information related to findings and performance indicators pertaining to security 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.

Inspection Report# : [2014007](#) (*pdf*)

Significance:  Oct 13, 2014

Identified By: NRC

Item Type: NCV Non-Cited Violation

FAILURE TO ADEQUATELY IMPLEMENT RISK MANAGEMENT ACTIONS

The inspectors identified an NCV of 10 CFR 50.65(a)(4), “Requirements for monitoring the effectiveness of maintenance at nuclear power plants,” for FENOC’s failure to implement adequate risk management actions (RMAs) associated with maintenance on the alternate intake structure ‘A’ bay. Specifically, FENOC did not establish a contingency plan for the maintenance activity as required by FENOC’s risk management procedure. FENOC entered the issue into their corrective action program as CR 2015-00267.

The performance deficiency is more than minor because it is associated with the Equipment Performance attribute of the Mitigating Systems cornerstone and adversely affected its objective to ensure the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Specifically, FENOC’s failure to implement a contingency plan resulted in an increase in the duration of an elevated risk condition and unavailability of equipment relied upon to mitigate the consequences of a loss of the main intake structure. The finding was determined to be of very low safety significance (Green) because the incremental core damage probability (ICDP) for the event was less than 1.0 E-6. The inspectors determined that this finding had a cross-cutting aspect in the Human Performance, Work Management, because the FENOC work process failed to adequately manage the risk commensurate to the work [H.5].

Inspection Report# : [2014005](#) (*pdf*)

Barrier Integrity

Significance:  Apr 17, 2014

Identified By: NRC

Item Type: NCV Non-Cited Violation

REMOVAL OF MISSILE BARRIER RENDERS CONTAINMENT INOPERABLE

The inspectors identified a Green non-cited violation of TS limiting condition for operation (LCO) 3.6.1, “Containment.” Specifically, the inspectors determined that FENOC removed the missile barriers for the unit 1 and unit 2 containment equipment hatches while in a mode when containment was required to be operable. As a result FENOC did not have adequate tornado protection for containment and then did not take the actions directed by the LCO action statement when the LCO was not met. FENOC entered the issue into their corrective action program, CR 2014-11878, and placed the procedures to remove the missile barriers on administrative hold.

The performance deficiency is more than minor because it adversely affected the configuration control attribute of the Barrier Integrity Cornerstone objective to provide reasonable assurance that physical design barriers protect the public from radionuclide releases caused by accidents or events. In accordance with IMC 0609 Appendix A, “The Significance Determination Process (SDP) for Findings At-Power,” Exhibit 3, “Barrier Integrity Screening Questions,” this finding screens to Green, very low safety significance.

This finding has a cross-cutting aspect in the area of conservative bias where individuals use decision making-practices that emphasize prudent choices over those that are simply allowable and that a proposed action is determined to be safe in order to proceed, rather than unsafe in order to stop. Specifically, FENOC did not adequately consider the containment operability implications of removing the missile barriers for the unit 1 and unit 2 containment equipment hatches while in a mode where containment is required to be operable. (H14)

Inspection Report# : [2014003](#) (*pdf*)

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Significance:  Dec 31, 2014

Identified By: NRC

Item Type: NCV Non-Cited Violation

FAILURE TO PROPERLY SHIP CATEGORY 2 RADIOACTIVE MATERIAL

The inspectors identified an NCV of 10 CFR 71.5, “Transportation of licensed material,” and 49 CFR 172, Subpart I, “Safety and Security Plans.” Specifically, FENOC personnel shipped a category 2 radioactive material of concern (RAM-QC) on public highways to a waste processor without adhering to a transportation security plan. FENOC’s corrective actions included revising procedure NOP-OP-5201, “Shipment of Radioactive Material – Waste,” to reflect the appropriate Department of Transportation requirements for shipment of Category 2 radioactive material. FENOC entered the issue into their corrective action program as CR 2014-17260.

The issue is more than minor because it is associated with the Program and Process attribute of the Public Radiation Safety cornerstone and adversely affected its objective to ensure the safe transport of radioactive material on public

highways in accordance with regulations. The finding was determined to be of very low safety significance (Green) because FENOC had an issue involving transportation of radioactive material, but it did not involve: (1) a radiation limit that was exceeded; (2) a breach of package during transport; (3) a certificate of compliance issue; (4) a low level burial ground nonconformance; or (5) a failure to make notifications or provide emergency information. The inspectors determined that the finding did not have a cross-cutting aspect because the issue was not reflective of current plant performance. Specifically, FENOC implemented changes to the radioactive waste shipment procedure that addressed applicable requirements and implemented a formal process for reviewing pending regulatory changes for impacts to FENOC operations and support activities.

Inspection Report# : [2014005](#) (*pdf*)

Significance:  Nov 17, 2014

Identified By: NRC

Item Type: NCV Non-Cited Violation

FAILURE TO PROPERLY SHIP CATEGORY 2 RADIOACTIVE MATERIAL

The inspectors identified an NCV of 10 CFR 71.5, “Transportation of licensed material,” and 49 CFR 172, Subpart I, “Safety and Security Plans.” Specifically, FENOC personnel shipped a category 2 radioactive material of concern (RAM-QC) on public highways to a waste processor without adhering to a transportation security plan. FENOC’s corrective actions included revising procedure NOP-OP-5201, “Shipment of Radioactive Material – Waste,” to reflect the appropriate Department of Transportation requirements for shipment of Category 2 radioactive material. FENOC entered the issue into their corrective action program as CR 2014-17260.

The issue is more than minor because it is associated with the Program and Process attribute of the Public Radiation Safety cornerstone and adversely affected its objective to ensure the safe transport of radioactive material on public highways in accordance with regulations. The finding was determined to be of very low safety significance (Green) because FENOC had an issue involving transportation of radioactive material, but it did not involve: (1) a radiation limit that was exceeded; (2) a breach of package during transport; (3) a certificate of compliance issue; (4) a low level burial ground nonconformance; or (5) a failure to make notifications or provide emergency information. The inspectors determined that the finding did not have a cross-cutting aspect because the issue was not reflective of current plant performance. Specifically, FENOC implemented changes to the radioactive waste shipment procedure that addressed applicable requirements and implemented a formal process for reviewing pending regulatory changes for impacts to FENOC operations and support activities.

Inspection Report# : [2014004](#) (*pdf*)

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

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