

FitzPatrick

3Q/2014 Plant Inspection Findings

Initiating Events

Significance: G Mar 31, 2014

Identified By: NRC

Item Type: NCV NonCited Violation

HPCI System Inoperable for Longer than Allowed by TS

The inspectors identified a Green NCV of Technical Specification (TS) 3.5.1, "ECCS [emergency core cooling system] - Operating," because filling the high pressure coolant injection (HPCI) system with low quality water from the suppression pool following maintenance caused the HPCI booster pump recirculation pressure control valve, 23PCV-50, to fail, thereby making the HPCI system inoperable, and this condition existed for greater than the TS allowed outage time of 14 days. Although the HPCI system was inoperable, it still maintained its safety function to provide emergency core coolant flow in the event of an accident. As corrective action, Entergy staff changed the procedure to indicate that the HPCI system should be filled using the CSTs, and submitted revision 1 to the associated licensee event report (LER) to report the TS violation. This issue was entered into the corrective action program (CAP) as condition report (CR)-JAF-2014-00961.

The inspectors determined that Entergy staff's actions to refill the HPCI system with water from the suppression pool following maintenance, thereby causing the failure of 23PCV-50 to control pressure the next time that the HPCI system was operated, was a performance deficiency that was reasonably within Entergy's ability to foresee and correct. The finding was more than minor because it was associated with the human performance attribute of the Mitigating Systems cornerstone and adversely affected the cornerstone objective to ensure the availability, reliability, and capability of systems that respond to initiating events to prevent undesirable consequences. Specifically, the issue resulted in failure of 23PCV-50 to control pressure, which caused the HPCI system to be inoperable for greater than its TS allowed outage time. In accordance with IMC 0609.04, "Initial Characterization of Findings," and Exhibit 2 of IMC 0609, Appendix A, "The Significance Determination Process for Findings At-Power," the inspectors determined that this finding was of very low safety significance (Green) because the performance deficiency was not a design or qualification deficiency, did not involve an actual loss of safety function, did not represent the actual loss of a safety function of a single train for greater than its TS allowed outage time, and did not screen as potentially risk-significant due to a seismic, flooding, or severe weather initiating event. This finding had a cross-cutting aspect in the area of Problem Identification and Resolution, because FitzPatrick staff did not implement internal and external operating experience concerning the inadvisability of using suppression pool water to refill the HPCI system following maintenance.

Inspection Report# : [2014002](#) (*pdf*)

Significance: N/A Dec 31, 2013

Identified By: NRC

Item Type: NCV NonCited Violation

Untimely 10 CFR 50.72 Notification of a HPCI System Functional Failure

The inspectors identified a Severity Level IV (SL IV) NCV of Title 10 of the Code of Federal Regulations (10 CFR) 50.72, "Immediate Notification Requirements for Operating Nuclear Power Reactors," because unplanned inoperability of the high pressure coolant injection (HPCI) system was not reported to the NRC within eight hours of when it should reasonably have been discovered, as required by 10 CFR 50.72(b)(3)(v), "Event or Condition that Could Have Prevented Fulfillment of a Safety Function." Specifically, identification that issues with two of the

condensate storage tank (CST) level detectors that provide automatic transfer of the HPCI suction from the CSTs to the suppression pool would have caused this transfer to occur at less than the minimum CST level allowed by Technical Specifications (TSs) and therefore caused the HPCI system to be inoperable, was not promptly recognized as a condition reportable under 10 CFR 50.72. This issue was entered into the corrective action program (CAP) as condition report (CR)-JAF-2013-06344.

The inspectors determined that the failure to inform the NRC of the HPCI system inoperability within eight hours in accordance with 10 CFR 50.72(b)(3)(v) was a performance deficiency that was reasonably within Entergy's ability to foresee and correct. Because the issue impacted the regulatory process; in that, a safety system functional failure was not reported to the NRC within the required timeframe thereby delaying the NRC's opportunity to review the matter, the inspectors evaluated this performance deficiency in accordance with the traditional enforcement process. Using example 6.9.d.9 from the NRC Enforcement Policy, the inspectors determined that the violation was a SL IV (more than minor concern that resulted in no or relatively inappreciable potential safety or security consequence) violation, because Entergy personnel failed to make a report required by 10 CFR 50.72 when information that the report was required had been reasonably within their ability to have identified. In accordance with IMC 0612, "Power Reactor Inspection Reports," traditional enforcement issues are not assigned cross-cutting aspects.

Inspection Report# : [2013005](#) (*pdf*)

Mitigating Systems

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Public Radiation Safety

Significance:  Jun 30, 2014

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Properly Ship RAM-QC

Green. The inspectors identified a Green NCV of 10 CFR 71.5, "Transportation of Licensed Material," and 49 CFR 172, Subpart I, "Safety and Security Plans." Specifically, Entergy personnel shipped a radioactive quantity of category 2 Radioactive Material in Quantities of Concern (RAM-QC) on the public highways to a waste processor without adhering to its transportation security plan. Prior to shipment, Entergy staff failed to recognize that the quantity of radioactive material met the definition of RAM-QC. Entergy staff entered this issue into their corrective action

program (CAP) as condition report (CR) JAF 2014 02337.

The issue was more than minor because it was associated with the Program and Process attribute of the Public Radiation Safety cornerstone and affected the cornerstone objective to ensure adequate protection of public health and safety from exposure to radioactive materials released into the public domain. In accordance with IMC 0609, Appendix D, "Public Radiation Safety Significance Determination Process," the finding was determined to be of very low safety significance (Green) because Entergy had an issue involving transportation of radioactive material, but it did not involve: (1) a radiation limit 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. This finding had a cross-cutting aspect in the area of Human Performance, Work Processes, in that the documentation (procedures) to support this activity was inadequate [H.7]. (Section 2RS8)

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

Significance: N/A May 03, 2014

Identified By: NRC

Item Type: FIN Finding

Problem Identification and Resolution

The inspectors concluded that Entergy was generally effective in identifying, evaluating, and resolving problems. Entergy personnel identified problems, entered them into the corrective action program at a low threshold, and prioritized issues commensurate with their safety significance. Entergy staff appropriately screened issues for operability and reportability, and performed causal analyses that appropriately considered extent of condition, generic issues, and previous occurrences. The inspectors also determined that Entergy typically implemented corrective actions to address the problems identified in the corrective action program in a timely manner.

The inspectors concluded that, in general, Entergy staff adequately identified, reviewed, and applied relevant industry operating experience to FitzPatrick operations. In addition, based on those items selected for review, the inspectors determined that Entergy's self-assessments and audits were thorough.

Based on the interviews the inspectors conducted over the course of the inspection, observations of plant activities, and reviews of individual corrective action program and employee concerns program issues, the inspectors did not identify any indications that site personnel were unwilling to raise safety issues nor did they identify any conditions that could have had a negative impact on the site's safety conscious work environment.

Inspection Report# : [2014009](#) (*pdf*)

Significance: SL-III Dec 31, 2011

Identified By: NRC

Item Type: VIO Violation

EA-10-090/EA-10-248/EA-11-106 RP Technician Willful Violations

During NRC investigations initiated on July 1, 2009, February 5, 2010, and April 8, 2010, violations of NRC requirements were identified. The following requirements were violated: 10 CFR 20.1703, 'Use of individual respiratory protection equipment'; 10 CFR 20.1501, Subpart F, 'Surveys and Monitoring'; 10 CFR 50.9, 'Completeness and accuracy of information'. Contrary to the listed requirements, the licensee employees willfully violated multiple procedures and incorrectly documented completion of surveys and respirator fit tests.

These violations are categorized collectively as a Severity Level III violation. The NRC offered and Entergy accepted to conduct Alternative Dispute Resolution (ADR) for the above listed violations. The NRC has issued Confirmatory Order (CO) EA-10-090, EA-10-248, EA-11-106 in response to the agreed upon ADR actions. As addressed in the CO, no civil penalty was assessed based on previous actions completed and actions agreed to be completed by the licensee.

Inspection Report# : [2011009](#) (*pdf*)

Last modified : November 26, 2014