

August 5, 2014  
EN 14-031

OFFICE OF ENFORCEMENT  
NOTIFICATION OF SIGNIFICANT ENFORCEMENT ACTION

Licensee: Duke Energy Carolinas, LLC  
Oconee Nuclear Station, Unit 1  
Docket No.: 50-269

EA-14-091

Subject: ISSUANCE OF FINAL SIGNIFICANCE DETERMINATION AND NOTICE OF VIOLATION

This is to inform the Commission that a Notice of Violation (NOV) associated with a White Significance Determination Process finding will be issued on or about August 8, 2014, to Duke Energy Carolinas, LLC (licensee) as a result of an inspection at Oconee Nuclear Station, Unit 1. The White finding, an issue of low to moderate safety significance, will result in additional NRC inspection and potentially other NRC action.

The White finding involved the failure to identify and correct a significant condition adverse to quality involving a crack in a weld located in the Unit 1 High Pressure Injection (HPI) system. In 2004, a procedure was developed for augmented in-service inspection program ultrasonic examinations, which effectively removed reasonable assurance that HPI nozzle component weld cracking would be identified and corrected. Consequently, the crack continued to propagate resulting in reactor coolant system pressure boundary leakage that required Unit 1 be shut down until the weld was repaired. A NOV is included because of the licensee's failure to establish measures to identify and correct a significant condition adverse to quality in accordance with 10 CFR 50, Appendix B, Criterion XVI, "Corrective Action".

In response to the preliminary determination letter, the licensee attended a Regulatory Conference on July 31, 2014, and presented their assessment of the significance of the finding. After reviewing the information developed during the inspection, and the information provided by the licensee, the staff concluded that the finding is appropriately characterized as White. The licensee has informed the NRC that multiple corrective actions are in place and/or planned.

It should be noted that the licensee has not been specifically informed of the enforcement action. The schedule of issuance and notification is:

Mailing of Final Significance Determination	August 8, 2014
Telephone Notification of Licensee	August 8, 2014

The State of South Carolina will be notified.

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