



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, ILLINOIS 60532-4352

January 5, 2018

Mr. David B. Hamilton
Site Vice President
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
Reg Affairs–A210
10 Center Road, P.O. Box 97
Perry, OH 44081–0097

SUBJECT: PERRY NUCLEAR POWER PLANT—NOTIFICATION OF NRC SUPPLEMENTAL INSPECTION (95001) AND REQUEST FOR INFORMATION

Dear Mr. Hamilton:

By letter dated August 24, 2017, (ADAMS ML17236A187), the U.S. Nuclear Regulatory Commission (NRC) communicated to you the final significance determination of a finding having low-to-moderate safety significance (White) at your Perry Nuclear Power Plant. This finding involved the licensee's failure to evaluate the effects of voltage suppression diode failure on the Standby Diesel Generator (SDG) control circuit, which was a component subject to the requirements of Title 10 Code of Federal Regulations (CFR) Part 50, Appendix B, Criterion III, "Design Control". Specifically, the licensee failed to consider the effect of a shorted diode on the control circuitry of the SDG, and, as a result, failed to recognize that installation of voltage suppression diodes across control relays, with no mitigation for diode failure, was not suitable for the SDG control circuit. This introduction of new components (diodes) into the control circuitry resulted in the eventual failure of the SDG control circuit, thereby rendering the SDG inoperable and unable to start.

By letter dated October 31, 2017, we were notified by your staff that you were ready for the NRC to conduct our supplemental inspection to review the actions taken to address the White finding. Accordingly, we plan to conduct a supplemental inspection, beginning on February 12, 2018, at your Perry Nuclear Power Plant using Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." This on-site inspection is scheduled to be performed February 12 through February 16, 2018.

In order to minimize the impact to your on-site resources and to ensure a productive inspection for both organizations, we have enclosed a request for documents needed for this inspection. The documents identified are those that the inspectors will need prior to and upon arrival at the site. It is important that all of these documents are up-to-date and complete in order to minimize the number of additional documents requested during the on-site portion of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. Anthony Kledzik. If there are any questions about this inspection or the material requested, please call or email Mr. Jandovitz at 630-829-9763 or John.Jandovitz@nrc.gov.

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Billy Dickson, Chief
Branch 5
Division of Reactor Safety

Docket No. 50-440
License No. NPF-58

Enclosure:
Supplemental Inspection Document Request

cc: Distribution via LISTSERV®

Letter to David Hamilton from Billy Dickson dated January 5, 2018

SUBJECT: PERRY NUCLEAR POWER PLANT—NOTIFICATION OF NRC SUPPLEMENTAL INSPECTION (95001) AND REQUEST FOR INFORMATION

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NAME	J.Jandovitz:lg	B.Dickson				
DATE	1/5/2018	1/5/2018				

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SUPPLEMENTAL INSPECTION DOCUMENT REQUEST

Inspection Report: 05000440/2018040

Inspection Dates: February 12–16, 2018

Inspection Procedure: IP 95001

Please assemble the following documents, preferably on a CD-ROM, and send to the lead inspector, John Jandovitz or before the dates requested. Information for the lead inspector should be sent to the following address: John Jandovitz; U.S. Nuclear Regulatory Commission, Region III; 2443 Warrenville Road, Suite 210; Lisle IL, 60532–4352. The information sent should be current as of the date of your mailing. Information provided on-site should be the latest approved documentation. The information should be mailed in such a manner as to reach the addressee by February 5, 2018. Proprietary information should be clearly marked and stored on a separate CD-ROM. Draft documentation should not be provided as part of this information request. It is also requested that access to the internet be provided for the inspector during the inspection.

Information Requested Prior to Inspection:

Procedures:

- Administrative procedure(s) governing the site's corrective action program;
- Administrative procedure(s) governing the identification and resolution of problems;
- Administrative procedure(s) governing root cause and apparent cause evaluations;
- Administrative procedure(s) governing common cause assessments, effectiveness reviews, and self-assessments; and
- Administrative procedures governing modifications.

Reports:

- The root cause evaluation report(s) and associated documents for the White finding;
- Any internal and/or external assessments of the root cause evaluation and any follow-up assessments that occurred because of the root cause evaluation, including departmental assessments, corporate assessments, and "mock 95001" assessments conducted at the plant to assess readiness for the inspection;
- A copy of all documents referenced in the root cause report for the White finding;
- Copies of all extent of condition evaluations and/or extent of cause evaluations conducted for the White Finding;
- A copy of all condition reports that resulted from any assessments of the root cause evaluation;
- A copy of all condition reports that resulted from the root cause evaluation;
- Documentation supporting completion of any corrective actions related to the White Finding, including any calculations performed;
- Current schedule and resource commitment documents for any open corrective actions related to the White Finding; and
- Schedule and status of any ongoing, planned or completed effectiveness reviews stemming from the root cause evaluation for the White finding.

Enclosure

Please assemble and have available onsite for the inspector a copy (on CD-ROM/DVD and/or hardcopy) of the following documents:

- List of Site Personnel involved in the Root Cause Report identifying their organizations and responsibility for the report; and
- Any previously provided documents that have been updated or revised.