




UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

August 10, 2015

MEMORANDUM TO: Shana R. Helton, Chief  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

FROM: Audrey Klett, Project Manager   
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: TURKEY POINT NUCLEAR GENERATING UNIT NO. 3 –  
REGULATORY AUDIT IN SUPPORT OF RELIEF REQUEST 1,  
REVISED, FOR FIFTH TEN-YEAR INSERVICE INSPECTION INTERVAL  
(TAC NO. MF5798)

Staff from the U.S. Nuclear Regulatory Commission's (NRC's) Office of Nuclear Reactor Regulation, Division of Engineering and Division of Operating Reactor Licensing will conduct an audit to support its review of the Turkey Point Nuclear Generating Unit No. 3 Relief Request 1, Revision 1, for the fifth 10-year inservice inspection interval. The audit will occur at the Westinghouse Electric Company, LLC, office in Rockville, Maryland on August 11, 2015. The audit plan is enclosed.

Docket No. 50-250

Enclosure: As stated

REGULATORY AUDIT PLAN  
BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
TURKEY POINT NUCLEAR GENERATING UNIT NO. 3  
DOCKET NO. 50-250

1.0 BACKGROUND

By application dated March 2, 2015 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML15077A213), Florida Power & Light Company (the licensee) submitted Relief Request No. 1, Revision 1, for the Fifth Inservice Inspection Interval. The licensee needs the proposed alternative authorized by the NRC before its refueling outage in October 2015. The NRC staff needs to review proprietary calculations performed by the licensee's contractor, Westinghouse Electric Company, LLC. The staff determined that the most efficient manner to review the calculations was to review them at the contractor's office in Rockville, Maryland.

NRR's Office Instruction LIC-111 (ADAMS Accession No. ML082900195) states that a regulatory audit is a planned, licensed or regulation-related activity that includes the examination of primarily non-docketed information with the intent to gain understanding, to verify information, or to identify information that will require docketing to support the basis of the licensing or regulatory decision.

2.0 REGULATORY AUDIT BASIS

The staff will perform this audit to support its evaluation of whether the licensee's proposed alternative can be authorized per 10 CFR 50.55a.

3.0 REGULATORY AUDIT SCOPE OR METHODOLOGY

The staff will review calculations used to support the conclusions in the licensee's application.

4.0 INFORMATION AND OTHER MATERIAL NECESSARY FOR THE AUDIT

The staff intends to review the following information during the audit:

- Reference 16 to WCAP-17973-NP, Westinghouse Calculation Note, CN-MRCDA-14-27, Revision 0, "Turkey Point Units 3 and 4 Pressurizer Heater Sleeve Stress Analysis," January 29, 2015.
- Reference 17 to WCAP-17973-NP, Westinghouse Calculation Note, CN-PAFM-15-1, Revision 0, "Turkey Point Units 3 and 4 Pressurizer Heater Sleeve Penetration Half-Nozzle Repair Flaw Evaluation," February 11, 2015.
- Four spreadsheets from CN-PAFM-15-1 (p. 25, 26, and 29 of CN-PAFM-15-1 references the spreadsheets):

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- Allow Flaw Size\_LEFM\_IWB\_3612 Path 6\_14.xlsx
  - Allow Flaw Size\_LEFM\_IWB\_3612 Path 7\_15.xlsx
  - FCG\_Ferritic\_in\_WaterPath6\_14.xlsm
  - FCG\_Ferritic\_in\_WaterPath7\_15.xlsm
- For the stress analysis in CN-MRCDA-14-27, the output is in the form of computer runs with multiple output files. The staff will review Computer Runs 50 and 51, which each have numerous output files. The listing is on pages 44-48 for Computer Run 50 and on pages 48-49 for Computer Run 51.

The staff will also review other documents or spreadsheets that Westinghouse identifies as being important.

## 5.0 TEAM ASSIGNMENTS

The audit team consists of Ms. Audrey Klett, the NRC's Project Manager for Turkey Point 3 and 4; Mr. Jeffrey Poehler, Senior Materials Engineer; and Mr. David Dijamco, Materials Engineer.

## 6.0 LOGISTICS

The audit will occur at the Westinghouse Electric Company, LLC, offices in Rockville, Maryland on August 11, 2015. The staff plans to hold a brief entrance meeting at 10:00 am and a brief exit meeting by close of business the same day.

## 7.0 SPECIAL REQUESTS

The staff requests the licensee and its contractor to have the information listed in Section 4 readily available and accessible for the staff's review. The staff also requests that cognizant licensee and contractor staff be available to answer any questions from the staff and to track staff questions during the audit. Licensee staff can be available by telephone. The staff also requests the licensee and its contractor to provide a reasonable working space for the audit period at the audit site and the audit documents in paper as well as electronically available in a text searchable format.

## 8.0 DELIVERABLES

After the audit, the staff will develop any additional requests for information, which it will provide to the licensee. The staff will issue an audit report by September 30, 2015.

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FROM: Audrey Klett, Project Manager /RA/  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
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