



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

January 5, 2018

FPL submitted the Subsequent License Renewal Application on January 30, 2018 (ADAMS Package Accession No. ML18037A812) therefore, it is no longer necessary to withhold as proprietary.

LICENSEE: Florida Power & Light Company

FACILITY: Turkey Point Nuclear Generating Units 3 and 4

SUBJECT: SUMMARY OF CLOSED PRE-APPLICATION TELECONFERENCE HELD ON NOVEMBER 21, 2017, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION STAFF AND FLORIDA POWER & LIGHT COMPANY REPRESENTATIVES TO DISCUSS CABLE AND ELECTRICAL AGING MANAGEMENT PROGRAMS ASSOCIATED WITH THE TURKEY POINT NUCLEAR GENERATING UNITS 3 AND 4, SUBSEQUENT LICENSE RENEWAL APPLICATION

On November 21, 2017, the U.S. Nuclear Regulatory Commission (NRC) staff met with representatives of Florida Power & Light Company in a closed teleconference to discuss the subsequent license renewal application for the Turkey Point Nuclear Generating Units 3 and 4, specifically the cable and electrical aging management programs. The proprietary meeting agenda can be found at the NRC's Agencywide Documents and Access Management System Accession No. ML17361A292, a list of attendees is provided in Enclosure 1, and a summary of the meeting is provided in Enclosure 2.

Sincerely,

/RA/

Lois M. James, Senior Project Manager
License Renewal Project Branch
Division of Materials and License Renewal
Office of Nuclear Reactor Regulation

Docket Nos.: 50-250 and 50-251

Enclosures:

1. Attendance List
2. Meeting Summary

cc w/encls: See next page

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YEdmonds, NRR/DMLR
LJames, NRR/DMLR
EOesterle, NRR/DMLR
TMartinez-Navedo, NRR/DE
WBurton, NRR/DMLR
JDonoghue, NRR/DMLR
GWilson, NRR/DMLR

Steve.Franzone@fpl.com
William.Maher@fpl.com

ML18081A278

ADAMS Accession No.: ~~ML17360A242~~

*Concurrence via email

OFFICE	PM:MRPB:DMLR	LA:MRPB:DMLR	BC:EENB:DE	BC:MRPB:DMLR
NAME	LJames*	YEdmonds	TMartinez-Navedo(A)* <i>FSanko for</i>	EOesterle*
DATE	01/02/2018	01/04/2018	01/04/2018	01/04/2018
OFFICE	PM:MRPB:DMLR			
NAME	LJames			
DATE	01/05/2018			

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CLOSED TELECON
BETWEEN THE NRC STAFF AND FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR GENERATING UNITS 3 AND 4
SUBSEQUENT LICENSE RENEWAL APPLICATION – CABLE AND ELECTRICAL AGING
MANAGEMENT PROGRAMS

MEETING ATTENDANCE LIST
NOVEMBER 21, 2017

PARTICIPANTS

AFFILIATIONS

Lois James	U.S. Nuclear Regulatory Commission (NRC)
Tania Martinez-Navedo	NRC
Mohammad Sadollah	NRC
Fanta Sacko	NRR
William Maher	Florida Power & Light Co. (FPL)
Terry Mccool	FPL
Steve Franzone	FPL
Brian Messitt	FPL
Anthony Ploplis	Enercon
Stephen Hale	Enercon

Enclosure 1

CLOSED TELECON
BETWEEN THE NRC STAFF AND FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR GENERATING UNITS 3 AND 4
SUBSEQUENT LICENSE RENEWAL APPLICATION – CABLE AND ELECTRICAL AGING
MANAGEMENT PROGRAMS

TELECONFERENCE SUMMARY
NOVEMBER 21, 2017

On May 17, 2017, Florida Power & Light Company (FPL or, the applicant) submitted a Notice of Intent (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML17142A036 (non-public, proprietary) and ML17139D442 (public, non-proprietary)) to submit a supplemental license renewal application (SLRA) for Turkey Point Nuclear Generating Units 3 and 4 (Turkey Point). This Notice of Intent was submitted as proprietary information. On May 25, 2017, the U.S. Nuclear Regulatory Commission (NRC) staff issued its approval of FPL's request for withholding information from public disclosure (ADAMS Accession Nos. ML17096A477 (non-public, proprietary) and ML17139D441 (public, non-proprietary)).

On November 21, 2017, the NRC staff participated in a pre-application, closed teleconference with FPL to discuss the content of the Turkey Point SLRA, specifically cable and electrical aging management programs (AMPs). The proprietary meeting notice was issued on November 17, 2017 (ADAMS Accession No. ML17361A292).

The discussion focused on the following four topics:

- Cable aging management programs – Condition monitoring tests and techniques, as well as technical basis to support cable life for 60 to 80 years
- Electrical time-limited aging analyses (TLAA) equipment qualification (EQ) – Methods used for re-analysis and/or condition-based qualification (use of margins, conservatism, environmental data used for re-analysis, etc.)
- New AMP in NUREG-2191, Rev. 0, "Generic Aging Lessons Learned for Subsequent License Renewal (GALL-SLR) Report," dated July 2017, (high voltage insulators)
- New Further Evaluation Item in NUREG-2192, Rev. 0, "Standard Review Plan for Review of Subsequent License Renewal Applications for Nuclear Power Plants" (SRP-SLR), dated July 2017 (3.6.2.2.2 Cable Bus)

The applicant stated that the Turkey Point renewed license was submitted and approved prior to implementation of NUREG-1801, "Generic Aging Lessons Learned (GALL) Report," dated July 2001, and is called "pre-GALL" plant. The applicant explained that their SLRA will be addressing all AMPs and TLAAAs in all of the GALL Report revisions (July 2001,

Enclosure 2

September 2005, and December 2010) and in the GALL-SLR Report (July 2017). This required several new programs, including:

- XI.E2 – Electrical Insulation for Electrical Cables and Connections Not Subject to 10 CFR 50.49 Environmental Qualification Requirements Used in Instrument Circuits
- XI.E3A – Electrical Insulation for Inaccessible Medium-Voltage Power Cables Not Subject to 10 CFR 50.49 Environmental Qualification Requirements
- XI.E3B – Electrical Insulation for Inaccessible Instrument and Control Cables Not Subject to 10 CFR 50.49 Environmental Qualification Requirements
- XI.E3C – Electrical Insulation for Inaccessible Low-Voltage Power Cables Not Subject to 10 CFR 50.49 Environmental Qualification Requirements
- XI.E6 – Electrical Cable Connections Not Subject to 10 CFR 50.49 Environmental Qualification Requirements
- XI.E7 – High-Voltage Insulators

The applicant further stated that X1.E1, Electrical Insulation for Electrical Cables and Connections Not Subject to 10 CFR 50.49 Environmental Qualification Requirements, will be enhanced.

Regarding XI.E4, Metal-Enclosed Bus, and XI.E5, Fuse Holders, the applicant stated that Turkey Point does not have any components that fall under these AMPs.

With respect to the EQ TLAA, the applicant stated that the SLRA contains a program description with a disposition of 10 CFR 54.21(c)(1)(iii), “the effects of aging on the intended function(s) will be adequately managed for the period of extended operation.” The applicant asked if all of the EQ calculations needed to be provided on the review portal. The NRC staff stated that a list of EQ calculations should be provided with the SLRA and the staff will select a sample to review.