


## FW: FEI Age related Info Request

Theodore Fanelli <Theodore.Fanelli@nrc.gov>

Thu 12/21/2023 11:04 AM

To: Chad.Mynhier@nexteraenergy.com <Chad.Mynhier@nexteraenergy.com>

 1 attachments (46 KB)

2024 TP - Age Related Inspection Information Request.docx;

Chad, FYI...

### Theo Fanelli

Sr. Resident Inspector

Electrical and Digital I&C

Turkey Point

RII DRP/RPB1

(404) 997-5271

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**From:** Theodore Fanelli

**Sent:** Thursday, December 21, 2023 10:55 AM

**To:** Stoia, David <David.Stoia@fpl.com>; Cashwell, Cynthia <Cynthia.Cashwell@fpl.com>; Bazan, Boris <Boris.Bazan@fpl.com>

**Subject:** FEI Age related Info Request

FYI, I am leading this inspection.

### Theo Fanelli

Sr. Resident Inspector

Electrical and Digital I&C

Turkey Point

RII DRP/RPB1

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**Turkey Point Units 3 & 4 Focused Engineering Inspection  
Initial Information Request**

**Inspection Procedure:** 71111.21N.04, "Age-Related Degradation," dated July 1, 2023  
(ADAMS ML22210A107)

**Inspection Dates:** Information Gathering Week: February 12, 2024  
Preparation Week: February 26, 2024  
Onsite Week 1: March 4, 2024  
Onsite Week 2: March 18, 2024

**Inspection Report:** 05000250/2024010 AND 05000251/2024010  
(Standalone Inspection Report)

**Inspectors:** T. Fanelli (Lead/Electrical), J. Lizardi (Civil), and M. Hagen  
(Electrical)

The purpose of this letter is to notify you that three inspectors from Region II will conduct an inspection at your site in accordance with Inspection Procedure 71111.21N.04, "Age-Related Degradation." Attachment 21N.04 is not considered a team inspection. The inspection will evaluate the implementation of the programs regarding age related degradation of SSCs are identified and addressed in a manner that provides reasonable assurance of the safe operation of Turkey Point Units 3 & 4. The inspectors will select samples of components that are risk significant and within the scope of the program.

On February 12, 2024, Mr. Theo Fanelli, a Senior Reactor Inspector from the NRC's Region II office, will begin the inspection with an information gathering visit to the site. The purpose of the information gathering visit is to become familiar with the station maintenance, surveillance, testing, inspection, and condition monitoring programs, become familiar with plant layout, support identification of structures, systems, and components (SSCs) that will be reviewed during the inspection, and, as necessary, obtain plant specific site access training and badging for unescorted site access. An initial list of documents that the team will review during the information gathering visit are listed in enclosure 1.

Enclosure 1 lists documents that are needed prior to the information gathering visit. Please provide the referenced information to the Region II Office by February 8, 2024. Additional documents may be requested during the information gathering visit. The additional information should be provided to the Inspectors in the Region II office by February 23, 2024. During the information gathering visit, Mr. Fanelli will also discuss the following inspection support administrative details: (1) availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection, (2) method of tracking inspector requests during the inspection, (3) licensee computer access, (4) working space, (5) arrangements for site access, and (6) other applicable information.

For SSCs that the inspection will review, an initial list of the documents the team will review during the conduct of the inspection are listed in enclosure 2. The team leader will contact you with identified SSCs. Also, personnel should be available at the site during the inspection who are knowledgeable regarding maintenance, surveillance, testing, inspection, and condition monitoring programs.

**INFORMATION REQUEST FOR MCGUIRE NUCLEAR STATION**  
**Focused Engineering Inspection**

Prior to the information gathering visit, please provide the information electronically in “.pdf” files, Excel, or other searchable format on CDROM (or FTP site, SharePoint, etc.). The CDROM (or website) should be indexed and hyperlinked to facilitate ease of use.

**Contact Information:**                    Theo Fanelli  
    (404) 997-4433  
    [theodore.fanelli@nrc.gov](mailto:theodore.fanelli@nrc.gov)

**Information Gathering Visit:** An information gathering visit is currently scheduled the week of February 12, 2024. During this visit, we would like to identify the component samples for this inspection. We'd like to meet with Aging Program specialists to discuss the upcoming inspection and our sample selection process. Purposes of the site visit are to: (a) discuss the scope of the planned inspection; (b) obtain advance information to review in preparation for the inspection; (c) ensure that the information to be reviewed is available at the beginning of the inspection; and (d) verify that logistical issues (such as obtaining both site and computer system access and arranging the location of the inspection team working area) will be resolved prior to inspector arrival. We request the room have a telephone, wireless internet access, and availability of station procedures, corrective action program documents, and a printer.

**Logistics:**

**Information gathering visit week:** February 12, 2024

**Onsite inspection weeks:** February 8 and February 24, 2024

Please schedule an entrance meeting for around 2:30 p.m. on Monday, February 8, 2024 (approximately 15 minutes). The date and time of the exit meeting will be discussed at a later date. In addition, I'd like to have a daily debrief with your inspection support staff at a convenient time in the afternoons for both the onsite and in between inspection weeks (Time TBD, approximately 30 minutes).

We will need a conference room as workspace for the inspectors. We will also need an area available for conducting interviews. Please provide access to your document system and Wi-Fi access.

During the information gathering visit, please provide info on (1) conference room location & phone number, (2) cafeteria location/hours, and (3) engineering staff normal working hours. Also, please let me know if there are any potential resource conflicts during our onsite weeks (Fridays off, EOP drills, management retreats) and we'll do our best to accommodate.

**Team Members:** Theo Fanelli (Inspection Lead, Electrical)  
Jonathan Lizardi (Civil)  
Mark Hagen (Electrical)

Please verify the status of access authorization and remaining requirements for unescorted access for each inspector. Please provide me with a list of exceptions, and I will take action to address them.

**Info Request:**

1. A word-searchable current version of the station Updated Final Safety Analysis Report (UFSAR).
2. A word-searchable current version of the station Technical Specifications (TS).
3. A word-searchable current version of the station Quality Assurance Program Document
4. The technical requirements manual (TRM) / This could be the SLC (Selected Licensee Commitments) at some Duke Plants
5. List of corrective action documents related to Aging degradation and the Aging programs since January 1, 2019. Please list CRs associated with component failures, or tagged with "aging, "age-related", "wear", "accelerated wear", "abnormal wear", "accelerated degradation", "abnormal degradation", etc.
6. List of 50.65 (a)(1) SSCs from the past 5 years
7. Site specific functional failures from the past 5 years
8. Site specific performance indicators
9. Plant Reliability Heat Map and Detailed Table
10. Part 21 Reports applicable to the site from the past 5 years
11. list of RISC-1, RISC-2, and RISC-3 SSCs (for licensees that implement 10 CFR 50.69)
12. list of risk-significant long-lived passive SSCs (for licensees in the period of extended operation (PEO))
13. maintenance, surveillance, testing, inspection, and condition monitoring testing requirements, acceptance criteria, and periodicities
14. bases documents associated with maintenance, surveillance, testing, inspection, and condition monitoring testing requirements, acceptance criteria, and periodicities
15. maintenance rule scoping and performance criteria
16. safety significant functions identified during the RISC categorization process, and alternative treatment requirements (for licensees that implement 10 CFR 50.69)
17. aging management programs (AMPs) (for licensees in the period of extended operation (PEO))
18. Any self-assessments or QA assessments of the aging management programs (performed since January 1, 2021).
19. List of systems (system numbers/designators and corresponding names)

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Public Protection Notification

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Enclosure 2

For sample SSCs identified during the information gathering week:  
The following is a partial list of required information.

1. Self-imposed and vendor recommendations
2. Site specific probabilistic risk assessment (PRA) identifying risk-significant functions for the SSC.
3. Past maintenance, surveillance, testing, inspection, and condition monitoring testing results. For periodicities greater than two years, the last two test results.
4. TS operability determinations
5. Actions taken for issues identified during performance of maintenance, surveillance, testing, inspection, and condition monitoring
6. Last evaluation of maintenance effectiveness required per 10 CFR 50.65(a)(3)
7. Last feedback and process adjustment required per 10 CFR 50.69(e)(1) (for licensees that implement 10 CFR 50.69)
8. Any on-going reviews of both plant-specific and industry operating experience performed in the last two years that informed or enhanced AMPs (for licensees in the PEO)