



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

February 5, 2024

Michael Durbin
Site Vice President
NextEra Energy Point Beach, LLC
6610 Nuclear Road
Two Rivers, WI 54241-9516

**SUBJECT: POINT BEACH NUCLEAR PLANT – NOTICE OF INSPECTION AND
REQUEST FOR INFORMATION FOR THE NRC AGE-RELATED
DEGRADATION INSPECTION: INSPECTION REPORT 05000266/2024010
AND 05000301/2024010**

Dear Michael Durbin:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) staff will conduct IP 71111.21N.04, "Age-Related Degradation" baseline inspection at Point Beach Nuclear Plant, Units 1 and 2, in April 2024. The inspection team will be led by Thomas Hartman from the NRC Region 3 Office. The team will be composed of personnel from the NRC Region 3 Office. The inspection will be conducted in accordance with IP 71111.21N.04.

The schedule for the inspection is as follows:

- Information gathering visit - week of March 4, 2024
- On-site inspection - weeks of April 29, 2024, and May 13, 2024

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, section III.A.

During the information gathering visit, the team will also discuss the following inspection support administrative details: office space size and location; specific documents requested to be made available to the team in their office spaces; arrangements for reactor site access (including radiation protection training, security, or safety); and the availability of knowledgeable plant staff and licensing organization personnel to serve as points of contact during the inspection.

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 1, section III.B. 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.

This letter contains voluntary information collections that are subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). The Office of Management and Budget (OMB) approved these information collections (approval number 3150-0011). The burden to the public for these information collections is estimated to average 42 hours per response. Send comments regarding this information collection to the FOIA, Library and Information Collection Branch, Office of the Chief Information Officer, Mail Stop: T6-A10M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0011) OMB, Washington, DC 20503.

In accordance with 10 CFR 2.390 of the NRC rules and practices, a copy of this letter and its enclosures will be available electronically for public inspection in the NRC public document room or from the publicly available records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Website.

Your cooperation and support during this inspection will be appreciated. If you have questions concerning this inspection, or the inspection team's information or logistical needs, please contact Thomas Hartman, the team leader, in the Region 3 Office at 630-829-9884.

Sincerely,



Signed by Hartman, Thomas
on 02/05/24

Thomas Hartman
Senior Project Engineer
Engineering & Reactor Projects Branch
Division of Operating Reactor Safety

Docket Nos. 05000266 and 05000301
License Nos. DPR-24 and DPR-27

Enclosure:
Age-Related Degradation Inspection
Request for Information

cc w/ encl: Distribution via LISTSERV®

Letter to Michael Durbin from Thomas Hartman dated February 5, 2024.

SUBJECT: POINT BEACH NUCLEAR PLANT – NOTICE OF INSPECTION AND REQUEST
FOR INFORMATION FOR THE NRC AGE-RELATED DEGRADATION
INSPECTION: INSPECTION REPORT 05000266/2024010 AND
05000301/2024010

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AGE-RELATED DEGRADATION INSPECTION
REQUEST FOR INFORMATION

I. ADMINISTRATIVE INSPECTION INFORMATION

Inspection Report Number:	05000266/2024010 and 05000301/2024010
Onsite Inspection Dates:	April 29–May 3, 2024, and May 13–17, 2024
Inspection Procedure:	IP 71111.21N04, “Age-Related Degradation”
Lead Inspector:	Thomas Hartman, Senior Project Engineer, RIII/DORS 630-829-9884 Thomas.Hartman@nrc.gov
Teammates:	Joon Park, Reactor Inspector, RIII/DORS Kevin Fay, Reactor Inspector, RIII/DORS

II. LOGISTICS

Email the following inspection logistics to the lead inspector by **April 15, 2024**, or sooner:

1. Entrance meeting time and location;
2. Room number/name and location of the room to be used by the inspection team while onsite;
3. Current management and engineering organizational chart;
4. Response team contact information (names and phone numbers) and team roles (e.g., management sponsor, lead, inspector counterpart);
5. Any potential resource conflicts during the inspection (e.g., emergency drills and all-staff meetings).

III. INFORMATION REQUEST

Contact the lead inspector as soon as possible if you have any questions regarding this information request. Provide the information electronically in “PDF” files, Excel, or other searchable formats, preferably via an electronic sharing service (CERTREC, ShareFile, Box, etc.). Specific Excel formats for various enclosure items may be requested to assist in inspection sample selection. If you do not have access to any of these services or similar, we can provide you access to “Box,” which can be used to upload/download and share documents. The files should contain descriptive names and be indexed and hyperlinked to facilitate ease of use. Information in “lists” should contain enough information to be easily understood by someone who has knowledge of light-water reactor technology.

Enclosure

A. Information Requested to Support Information Gathering Visit

The documents and information requested below should generally be made available to the inspection team for the team's use both on-site and off-site during the information gathering visit. Electronic format is the preferred media. If electronic media is made available via an internet based remote document management system, then the remote document access should allow inspectors to download, save, and print the documents in the NRC's regional office. Electronic media on compact disc or paper records (hard copy) are acceptable. At the end of the inspection, the documents in the team's possession will not be retained.

This document request is based on typical documents that a generic plant might have. As such, this document request is not meant to imply that any specific plant is required to have all of the listed documents. In addition, your plant-specific document titles may vary from the document titles listed below.

The following information is requested by **February 26, 2024**, or sooner, to facilitate the sample selections.

Documents requested, if available:

1. List of 50.65 (a)(1) SSCs from the past 5 years;
2. List of maintenance rule functional failures (including preventable failures) from the past 5 years;
3. Most recent evaluation of maintenance effectiveness required per 10 CFR 50.65(a)(3);
4. Maintenance rule scoping and performance criteria document;
5. List of preventative maintenance deferrals and preventative maintenance change requests in the last 5 years;
6. Equipment reliability characterization and preventative maintenance program procedures
7. List of Title 10 CFR 21 Reports applicable to the site from the past 5 years;
8. Site-specific corrective actions associated with component failures, or tagged with "aging," "age-related," "wear," "accelerated wear," "abnormal wear," "accelerated degradation," "abnormal degradation," "corrosion," "degradation," etc.;
9. List of technical specification operability determinations from the past 5 years;
10. List of risk-significant long-lived passive SSCs (for licensees in the period of extended operation (PEO));
11. Aging management programs (AMPs) and any plant-specific or industry operating experience reviews that have been used to update aging management activities (for licensees in the period of extended operation);

12. List of top 100 most risk-significant structures and components. If possible, designate the component as active or passive in the risk ranking;
13. Site-specific probabilistic risk assessment (PRA) identifying risk-significant functions;
14. Technical specifications and technical requirements manual, including applicable bases documents;
15. List of systems (system numbers/designators and corresponding names).

B. Information Requested for Selected Samples:

The team lead will identify samples (i.e., structures and components) after the information gathering visit. The documents and information requested below should generally be made available to the inspection team for the team's use both onsite and offsite during the inspection. Electronic format is the preferred media. If electronic media is made available via an internet based remote document management system, then the remote document access should allow inspectors to download, save, and print the documents in the NRC's regional office. Electronic media on compact disc or paper records (hardcopy) are acceptable. At the end of the inspection, the documents in the team's possession will not be retained.

This document request is based on typical documents that a generic plant might have. As such, this document request is not meant to imply that any specific plant is required to have all the listed documents. In addition, your plant-specific document titles may vary from the document titles listed below. We also request that the information provided be sorted by the list below for each sample.

The following information is requested by **April 22, 2024**, or sooner, to facilitate the inspection.

1. List of corrective action documents for the last 10 years;
2. Maintenance, surveillance, testing, inspection, and condition monitoring testing requirements, acceptance criteria, and periodicities;
3. Bases documents associated with maintenance, surveillance, testing, inspection, and condition monitoring testing requirements, acceptance criteria, and periodicities;
4. Last 2 years of maintenance, surveillance, testing, inspection, and condition monitoring testing results; for periodicities greater than 2 years, the last two test results;
5. Self-imposed and vendor recommendations;
6. If available,
 - a) Equipment reliability category/characterization (e.g., non-critical, run-to-maintenance, etc.);
 - b) Preventative maintenance templates for the maintenance strategy;

- c) System design-basis documents and the specific updated final safety analysis report section that describes the function;
- d) P&IDs and electrical one-line drawings;
- e) Control circuit drawings;
- f) Design/procurement specifications;
- g) List of applicable modifications for the component.

If you have questions regarding the information requested, please contact the lead inspector.