



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

July 16, 2025

Khalil Dia, Site Vice President
Cooper Nuclear Station
72676 648A Avenue
P.O. Box 98
Brownville, NE 68321

**SUBJECT: COOPER NUCLEAR STATION – NOTIFICATION OF AGE-RELATED
DEGRADATION INSPECTION (05000298/2025012) AND REQUEST FOR
INFORMATION**

Dear Khalil Dia:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) staff will conduct the IP 71111.21N.04, "Age-Related Degradation" baseline inspection at Cooper Nuclear Station, beginning on October 20, 2025. The inspection team will be led by Wes Cullum from the NRC Region IV Office. The team will be composed of three personnel from the NRC Region IV Office. The inspection will be conducted in accordance with IP 71111.21N.04.

The schedule for the inspection is as follows:

- Information Gathering Visit (onsite): August 18-21, 2025
- Preparation Week (remote): October 13-17, 2025
- First Inspection Week (onsite): October 20-23, 2025
- Second Inspection Week (remote): November 3-6, 2025

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.

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, safety, and fitness for duty requirements); 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 2. Enclosure 3 lists the team members and their contact information. 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 does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, under Control Number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

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 Web site.

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 Wes Cullum, the team leader, in the Region IV Office at 817-200-1563.

Sincerely,



Signed by Bloodgood, Michael
on 07/16/25

Michael R. Bloodgood, Chief
Engineering Branch 1
Division of Operating Reactor Safety

Docket No. 05000298
License No. DPR-46

Enclosures:

1. Documents Requested Prior to
Information Gathering Visit
2. Documents Requested Prior to
Inspection Preparation Week
3. Inspection Team Contact Information

cc w/ encl: Distribution via LISTSERV

COOPER NUCLEAR STATION – NOTIFICATION OF AGE-RELATED DEGRADATION
INSPECTION (05000298/2025012) AND REQUEST FOR INFORMATION –
DATED JULY 16, 2025

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DOCUMENT NAME: COOPER NUCLEAR STATION – NOTIFICATION OF AGE-RELATED DEGRADATION
INSPECTION (05000298/2025012) AND REQUEST FOR INFORMATION

ADAMS ACCESSION NUMBER: **ML25197A544**

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OFFICE	SRI:DORS/EB1		BC:DORS/EB1		
NAME	WCullum		MBloodgood		
SIGNATURE	/RA/		/RA/		
DATE	07/16/25		07/16/25		

OFFICIAL RECORD COPY

Enclosure 1

Documents Requested Prior to 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 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 must 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.

Documents requested by August 11, 2025:

1. A list of 50.65 (a)(1) SSCs from the past 5 years
2. A list of maintenance rule functional failures from the past 5 years
3. The two most recent evaluations of maintenance effectiveness required per Title 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. A list of Title 10 CFR Part 21 Reports that were determined to be applicable to the site from the past 5 years
8. List of corrective action documents associated with component failures, applicable corrective action program trend codes, or keyword search of "aging," "age-related," "wear," "accelerated wear," "corrosion," "abnormal wear," "accelerated degradation," and "abnormal degradation" from the past 5 years. Please include a short description of the issue in the system generated listing.
9. The most recent system health status for each plant system and the associated Plant Health Committee (PHC) package if presented to the PHC and any applicable PHC procedure documents.
10. Aging management programs and basis documents. Please also include any plant-specific or industry operating experience reviews that have been used to update aging management activities.
11. Any self-assessments or quality assurance assessments of the aging management programs performed since January 1, 2021
12. Copy of the technical specification bases (if revised since 2024), and technical requirements manual (if revised since 2023).

Enclosure 2

Documents Requested Prior to Inspection Preparation Week

For the samples identified by the team lead, 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 must 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.

Documents requested by October 6, 2025:

1. List of corrective action documents associated with each selected SSC for the last 5 years
2. Maintenance, surveillance, testing, inspection, and condition monitoring testing requirements, acceptance criteria, and periodicities and associated basis documents for the selected SSC samples
3. The last two years of maintenance, surveillance, testing, inspection, and condition monitoring testing results for the selected SSC samples. For periodicities greater than two years, provide the last two test results.
4. Vendor manuals and self-imposed vendor recommendations for the SSC samples
5. If available for the SSC samples,
 - (a) Equipment reliability category/characterization (non-critical, run-to-maintenance, etc.)
 - (b) Preventative maintenance templates for the maintenance strategy
 - (c) System design basis documents
 - (d) PI&Ds and electrical one-line drawings
 - (e) Control circuit drawings
 - (f) Design/procurement specifications
 - (g) List of applicable modifications for the component

Enclosure 3

Inspection Team Contact Information

Wes Cullum (Lead)
Senior Reactor Inspector
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