



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2056 WESTINGS AVENUE, SUITE 400
NAPERVILLE, IL 60563-2657

April 24, 2025

Kelly Ferneau
Executive VP and Chief Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

**SUBJECT: D.C. COOK NUCLEAR POWER PLANT, UNIT 2 - NOTIFICATION OF NRC
BASELINE INSPECTION AND REQUEST FOR INFORMATION**

Dear Kelly Ferneau:

On September 29, 2025, the U.S. Nuclear Regulatory Commission (NRC) will begin the Baseline Inservice Inspection Procedure 71111.08. This on-site inspection is scheduled to be performed September 29, 2025, through October 10, 2025.

Experience has shown that this inspection is resource intensive both for the NRC inspector and your staff. In order to minimize the impact to your onsite resources, and to ensure a productive inspection for both sides, we have enclosed a request for documents needed for this inspection. These documents have been divided into two groups.

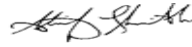
The first group identifies information necessary to ensure that the inspector is adequately prepared. The second group identifies the information the inspector will need upon arrival at the site. It is important that all of these documents are up-to-date, and complete, in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for inspection activities with your staff and understand that our regulatory contact for this inspection will be Kristen Harper of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector Atif Shaikh at 630-829-9824, or via email at Atif.Shaikh@nrc.gov.

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, 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.

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations*, Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,



Signed by Shaikh, Atif
on 04/24/25

Atif Shaikh
Engineering and Reactor Project Branch
Division of Operating Reactor Safety

Docket No. 05000316
License No. DPR-74

Enclosure:
Document Request for
Inservice Inspection

cc: Distribution via LISTSERV®

Letter to Kelly Ferneau from Atif Shaikh dated April 24, 2025.

SUBJECT: D.C. COOK NUCLEAR POWER PLANT, UNIT 2 - NOTIFICATION OF NRC
BASELINE INSPECTION AND REQUEST FOR INFORMATION

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DOCUMENT REQUEST FOR INSERVICE INSPECTION

Inspection Report: 05000316/2025003

Inspection Dates: September 29, 2025–October 10, 2025

Inspection Procedures: Inspection Procedure 71111-08, “Inservice Inspection”

Lead Inspector: Atif Shaikh, DORS/ERP
630-829-9824
Atif.Shaikh@NRC.gov

A. Information for the In-Office Preparation Week

The following information (electronic copy) is requested by August 18, 2025, to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The inspector will select specific items from the information requested below and request a list of additional documents needed onsite to your staff. We request that the specific items selected from the lists be available and ready for review on the first day of inspection. The following information is applicable to the outage Unit unless otherwise indicated. If you have any questions regarding this information, please call the inspector as soon as possible.

For the upcoming outage, a detailed schedule (including dates, is possible) and description of:

- a. List of all Non-Destructive Examinations (NDEs) planned to be performed as part of your American Society of Mechanical Engineers (ASME) Code Inservice Inspection (ISI) Program (include edition and addenda of Code committed to), and NDEs planned for other systems performed as part of a Risk-Informed ISI Program, or other augmented inspection programs (e.g., ASME Code Case N-770 examination of dissimilar metal welds and examinations to meet an industry initiative). Description shall include component ASME Code Class, component IDs, categorization (Section XI, Risk Informed, or Augmented, etc.), and dates/times the NDEs are scheduled to be performed.
- b. Reactor pressure vessel upper head (RPVUH) examinations required by Title 10 of the *Code of Federal Regulations* (CFR), Part 50.55a(g)(6)(ii)(D) and Code Case N-729.
- c. Steam generator (SG) tube inspection and repair activities for the upcoming outage or SG secondary side examinations;¹ and
- d. List of Welding on Code Class 1, 2, or 3 components to be performed during the outage.

¹Note 1 - If no SG examinations are planned for this outage, please confirm when the next SG examination will occur, and no further information is required for the items identified above requesting SG related information.

Enclosure

DOCUMENT REQUEST FOR INSERVICE INSPECTION

- e. List identifying NDE reports (Volumetric, Surface, and Visual), which have identified relevant indications on ASME Code Class 1 and 2 Systems since the beginning of the last refueling outage. For indications that were accepted as-is for continued service, provide schedule of successive exams required by Code.
- f. List of repair/replacement welds in ASME Code Class 1, 2 and 3 Systems, which have been fabricated since the beginning of the last refueling outage.
- g. List of 10 CFR Part 21 reports applicable to your structures, systems, or components within the scope of ASME Code Section XI that have been identified since the beginning of the last refueling outage.
- h. List of corrective action documents related to ISI and SG issues such as piping or SG tube degradation or damage or errors identified during piping/SG tube examinations since the beginning of the last refueling outage.
- i. List of Boric Acid Corrosion Control (BACC) program corrective action documents identified since the beginning of the last refueling outage.
- j. Copy of latest revision to the Inservice Inspection Program Plan.
- k. Point of contact information (names and site numbers) for ISI/SG/BACC/Welding.

B. Onsite Information to be provided to the inspector on the first onsite date.

The following information is requested for only specific items that are selected by the inspector from list A above:

- a) A copy of ASME Section XI, Code Relief Requests applicable to the selected items.
- b) Copies of applicable NDE procedures, weld procedure specifications (WPS), NDE procedure qualification records, WPS qualification records, NDE personnel performance qualification records, welder performance qualification records, BACC corrective action documents and associated screenings/evaluations, ISI and SG related corrective action documents.
- c) Copy of the ASME Section XI, Code of record for the selected items.
- d) Copy of the applicable Code of Construction for repair/replacement activities on selected items.
- e) **If** SG ECT examination is being conducted during the outage, provide copies of the following:
 - Copy of SG history documentation given to vendors performing ET of the SGs during the upcoming outage.¹

¹ Note 1 - If no SG examinations are planned for this outage, please confirm when the next SG examination will occur, and no further information is required for the items identified above requesting SG-related information.

DOCUMENT REQUEST FOR INSERVICE INSPECTION

- Copy of procedure containing screening criteria used for selecting tubes for in-situ pressure testing and the procedure to be used for in-situ pressure testing.¹
 - Copy of previous outage SG tube operational assessment completed following ET of the SGs (provide this document even if no SG ET is planned for current outage).
 - Copy of most recent SG Degradation Assessment (provide this document even if no SG ET is planned for current outage).
 - Copy of most recent SG Condition Monitoring Assessments.¹
 - Copy of the document describing the ET acquisition equipment to be applied including ET probe types. Also identify the extent of planned tube examination coverage with each probe type.
 - Provide procedures with guidance/instructions for identifying and plugging SG tubes.¹
 - Identify and quantify any SG tube leakage experienced during the previous operating cycle. Also provide documentation identifying which SG was leaking and corrective actions completed or planned for this condition.
- f) **If** RPVUH examinations are being conducted during the outage, provide copies of the following:
- Last performed volumetric and/or surface examination reports;
 - Procedures used during for examinations;
 - History of past RPVUH indications.

¹ Note 1 - If no SG examinations are planned for this outage, please confirm when the next SG examination will occur, and no further information is required for the items identified above requesting SG-related information.