



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

December 16, 2024

David Rhoades
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear Officer (CNO)
Constellation Nuclear
4300 Winfield Road
Warrenville, IL 60555

**SUBJECT: BYRON STATION UNIT 2 – REQUEST FOR INFORMATION FOR AN NRC
POST-APPROVAL SITE INSPECTION FOR LICENSE RENEWAL INSPECTION
REPORT 05000455/2025011**

Dear David Rhoades:

On April 14, 2025, the U.S. Nuclear Regulatory Commission (NRC) will begin a Post-Approval Site Inspection for License Renewal Phase 1 at Byron Station Unit 2. This inspection will be performed in accordance with NRC Inspection Procedure (IP) 71003. This inspection will focus on outage related activities to verify license conditions added as part of your renewed license and a sample of license renewal commitments have been implemented.

To minimize the inspection impact on the site and to ensure a productive inspection for both parties, we have enclosed a request for information needed for the inspection. It is important that these documents are up to date and complete in order to minimize the number of requests during the preparation and on-site portions of the inspection. Please provide this information electronically to the lead inspector as far as you are able. This information request has been divided into two groups:

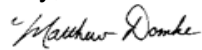
- The first group lists information necessary for our initial inspection scoping and in-office preparation activities. During the in-office preparation activities, the inspector will identify key information and activities to be reviewed during the inspection. This information should be provided to the inspector by March 17, 2025.
- The second group includes the additional information required for the inspector to review the selected activities. This information should be available to the inspector March 31, 2025. It is also requested that corrective action documents and/or questions developed during the inspection be provided to the inspector as the documents are generated.

The lead inspector for this license renewal inspection is Mr. Matthew Domke. We understand that our primary contact for this inspection is Mr. Gerald Armstrong of your organization. If there are any questions about the inspection or the material requested in the enclosure, please contact the lead inspector at (630) 829-9562 or via email at Matthew.Domke@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.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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), accessible from the NRC web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,



Signed by Domke, Matthew
on 12/16/24

Matthew Domke, Senior Reactor Inspector
Engineering Reactor Projects Branch
Division of Operating Reactor Safety

Docket No. 05000455
License No. NPF-66

Enclosure:
Document Request for Post-Approval
Site Inspection for License Renewal

cc w/encl: Distribution via LISTSERV®

Letter to David Rhoades from Matthew Domke dated December 16, 2024.

SUBJECT: BYRON STATION UNIT 2 – REQUEST FOR INFORMATION FOR AN NRC
POST-APPROVAL SITE INSPECTION FOR LICENSE RENEWAL INSPECTION
REPORT 05000455/2025011

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DOCUMENT REQUEST FOR POST-APPROVAL SITE INSPECTION FOR LICENSE RENEWAL

Inspection Report: 05000455/2025011

Inspection Dates: April 14, 2025 – April 18, 2025

Inspection Procedure: IP 71003 "Post-Approval Site Inspection for License Renewal"

Inspector: Matthew Domke
(630) 829-9562
Matthew.Domke@nrc.gov

I. Information Requested Prior to the On-Site Inspection Week by March 17, 2025

If you have any questions regarding this information, please call the inspector as soon as possible. File names should be descriptive and indexed to facilitate ease of use. Information lists should contain enough information to be easily understood by someone who has knowledge of light water reactor technology.

1. Provide a list of your license renewal commitments with an approximate completion status of each.
2. Provide a list of your Aging Management Programs (AMPs), program basis documents for each, and a listing of the action tracking items for each.
3. For AMPs that are one-time inspection programs, provide a list of work order numbers for inspections that have been completed. This may be incorporated with the previous item and should include identification of the inspected component.
4. Provide a list of the one-time inspections credited for license renewal that will be completed during your upcoming outage. This list should include at least the system, component, work order number, and type of inspection.
5. Provide a listing of other planned inspections which will be conducted during the outage that are credited for license renewal. Of particular interest are those that provide observations of areas that are generally inaccessible at power, (e.g., tank internal inspections, drywell liner inspections, and containment coating inspections). Include work order numbers where applicable.
6. Provide an outage schedule sufficiently detailed as to list the work orders noted in Items 4 and 5.

Enclosure

7. Provide current management and license renewal organizational charts.
8. Provide electronic copies of Updated Final Safety Analysis Report, Technical Specifications, Technical Specifications Bases, and Technical Requirements Manual.
9. Provide copies of any internal/external self-assessments and associated corrective action documents generated in preparation for the inspection.

II. Information Requested to be Available for Inspection Preparation on March 31, 2025

1. Copies of the work orders requested prior to inspection preparation week. This will include work orders of inspections to be observed and completed work orders to be reviewed by the inspector.
2. Documentation demonstrating completion of license renewal commitment which are complete as of the inspection date. For example, this may be in the form of a binder for each commitment which includes the implementing documentation and references.

III. Information Requested to be Provided Throughout the Inspection

1. Copies of any corrective action documents generated because of the team's questions or queries during this inspection.
2. Copies of the list of questions submitted by the team members and the status/resolution of the information requested (provide daily during the inspection to each team member).

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