

January 13, 2021

LTR: BYRON 2021-0001  
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United States Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Byron Station, Unit 2  
Renewed Facility Operating License No. NPF-66  
NRC Docket No. STN 50-455

SUBJECT: Byron Station Unit 2 90-Day Inservice Inspection Report for Interval 4, Period 2,  
(B2R22)

The subject 90-Day Inservice Inspection Report for the Byron Station Unit 2, Refueling Outage Twenty-Two (B2R22) is being submitted pursuant to the requirements of Article IWA-6000, "Records and Reports" of Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code 2007 Edition / 2008 Addenda.

This letter provides a copy of Form OAR-1 Owner's Activity Report for inservice inspection activities performed during the previous fuel cycle. This report meets the requirements of the ASME Code Case N-532-5, "Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission." The report covers the inservice inspections conducted prior to and during the Unit 2 Fall 2020 refueling outage.

If there are any questions regarding this matter, please contact Ms. Lisa Zurawski, Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,



Mark E. Kanavos  
Site Vice President  
Byron Generating Station

MEK/DA/LZ/mf

Attachment

# FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number B2R22

Plant Byron Generating Station, 4450 North German Church Road, Byron, IL 61010

Unit No. 2 Commercial Service Date September 16, 1985 Refueling Outage No. B2R22  
(if applicable)

Current Inspection Interval Fourth Inspection Interval (ISI), Third Inspection Interval (Containment ISI)  
(1st 2nd 3rd 4th other)

Current Inspection Period Second Inspection Period (ISI and Containment ISI)  
(1st 2nd 3rd)

Edition and Addenda of Section XI applicable to the inspection plans ASME Section XI 2007 Edition through 2008 Addenda  
Date and revision of inspection plans January 4th, 2017 | Rev. 1; August 18th, 2018 | Rev. 2

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same as above

Code Cases used for inspection and evaluation: N-508-4, N-532-5, N-639, N-706-1, N-722-1, N-729-6, N-731, N-770-5, N-798, N-800.  
(if applicable including cases modified by Case N-532 and later revisions)

## CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of B2R22 conform to the requirements of Section XI.  
(refueling outage number)

Signed [Signature] Date 1/4/2021  
Owner or Owner's Designee Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commission NB11622 INR 14017431C  
Inspector's Signature (National Board Number and Endorsement)

Date 4 JAN 21

**TABLE 1**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED**  
**EVALUATION FOR CONTINUED SERVICE**

Examination Category and Item Number	Item Description	Evaluation Description
N/A	N/A	N/A

**TABLE 2**  
**ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE**

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
N/A	N/A	N/A	N/A	N/A