



Constellation Energy Generation, LLC  
(CEG)  
Braidwood Station  
35100 South Route 53, Suite 84  
Braceville, IL 60407-9619

www.constellationenergy.com

August 28, 2024  
BW240056

10 CFR 50.55a(g)

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Braidwood Station, Unit 1  
Renewed Facility Operating License No. NPF-72  
NRC Docket No. STN 50-456

Subject: Braidwood Station Unit 1 120-Day Inservice Inspection Report for Interval 4, Period 2, (A1R24)

- References:
1. Letter from Letter from D. Gudger (Constellation Energy Generation, LLC) to U.S. Nuclear Regulatory Commission, "NRC Regulatory Issue Summary 2004-12, "Clarification on Use of Later Editions and Addenda to the ASME OM Code and Section XI," dated July 28, 2004" dated November 30, 2022 (ADAMS Accession No. ML22334A136)
  2. Letter from V. Sreenivas (U.S. Nuclear Regulatory Commission) to D. Rhoades (Constellation Energy Generation, LLC), "Braidwood Station, Units 1 and 2; Byron Station, Unit Nos. 1 and 2; Calvert Cliffs Nuclear Power Plant, Units 1 and 2; Clinton Power Station, Unit No. 1; Dresden Nuclear Power Station, Units 2 and 3; James A. Fitzpatrick Nuclear Power Plant; LaSalle County Station, Units 1 and 2; Limerick Generating Station, Units 1 and 2; Nine Mile Point Nuclear Station, Units 1 and 2; Peach Bottom Atomic Power Station, Units 2 and 3; Quad Cities Nuclear Power Station, Units 1 and 2; and R. E. Ginna Nuclear Power Plant – Request to use a Provision of a Later Edition of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code Section XI (EPID L-2022-LLR-0083)," dated April 28, 2023 (ADAMS Accession No. ML23114A252)

The subject 120-Day Inservice Inspection Report for Braidwood Station Unit 1, Refueling Outage 24 (A1R24) is being submitted pursuant to the requirements of IWA-6230, "Owner's Activity Report" of American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2019 Edition as approved per Reference 2.

Attachment 1 provides the Owner's Activity Report for inservice inspection activities performed during the previous fuel cycle, including a list of items with flaws or relevant conditions that required evaluation for continued service, and an abstract of repair/replacement activities required for continued service applicable to activities and events occurring through the end of the A1R24 refueling outage.

If there are any questions regarding this matter, please contact Mr. Dane Brunswick, Regulatory Assurance Manager, at (779) 231-6236.

**Schuerman,**  
**Adam G**

Digitally signed by  
Schuerman, Adam G  
Date: 2024.08.23 07:29:47  
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Adam Schuerman  
Site Vice President  
Braidwood Station

Attachment: Attachment 1 – Form OAR-1 Owner's Activity Report for A1R24

cc: Regional Administrator - NRC Region III  
NRC Senior Resident Inspector - Braidwood Station  
NRR Project Manager - Braidwood Station  
Illinois Emergency Management Agency - Division of Nuclear Safety