



Constellation Energy Generation, LLC (CEG)  
Braidwood Station  
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November 1, 2023  
BW230048

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

Braidwood Station, Units 1 and 2  
Renewed Facility Operating License Nos. NPF-72 and NFP-77  
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: Braidwood Station, Unit 1 Outage 23 and Unit 2 Refueling Outage 23 Steam Generator Tube Inspection Reports to Reflect TSTF-577 Reporting Requirements

- References:
1. Constellation letter to NRC, RS-22-086, "Application to Revise Technical Specifications to Adopt TSTF-577, 'Revised Frequencies for Steam Generator Tube Inspections'," dated August 10, 2022 (ML22222A068)
  2. Constellation letter to NRC, RS-23-050, Supplement to Application to Revise Technical Specifications to Adopt TSTF-577, "Revised Frequencies for Steam Generator Tube Inspections", dated May 22, 2023 (ML23143A136)
  3. NRC letter to Braidwood Station, Units 1 and 2; – "Issuance of Amendments 233 and 233 RE: Adoption of TSTF-577, 'Revised Frequencies for Steam Generator Tube Inspections', Revision 1 (EPID L-2022-LLA-0115)," dated July 26, 2023 (ML23188A129)
  4. Constellation letter to NRC, BW230019, "Braidwood Station, Unit 1 Steam Generator Tube Inspection Report for Refueling Outage 23," dated April 5, 2023 (ML23095A129)

In Reference 1, Constellation Energy Generation, LLC (CEG) submitted a request for an amendment to Renewed Facility Operating License Nos. NPF-72 and NPF-77 for the Braidwood Station (Braidwood), Units 1 and 2, to adopt Technical Specifications Task Force (TSTF)-577, "Revised Frequencies for Steam Generator Tube Inspections." Reference 1 was approved by the Nuclear Regulatory Commission (NRC) in Reference 3. As noted in Reference 2, "CEG will submit a SG Tube Inspection Report meeting the revised TS 5.6.9 requirements within 60 days after implementation of the license amendment." Based on NRC approval (Reference 3) TSTF-577 was implemented at Braidwood Station on September 13, 2023; therefore, the required Braidwood Units 1 and 2 steam generator (SG) tube inspection reports to reflect the augmented TSTF-577 reporting requirements is required to be submitted to NRC by November 12, 2023.

Enclosure 1 provides the updated Braidwood Unit 1 Tube Inspection report in accordance with the revised Braidwood Unit 1 TS 5.6.9 reporting requirements in References 1 and 3. Each Braidwood Unit 1 TS 5.6.9 reporting requirement is listed along with the associated information based on the inspection performed during the Braidwood Unit 1 Cycle 23 fall 2022 refueling outage (A1R23), which was the most recent inspection of the Braidwood Unit 1 replacement steam generators (SG).

This report is an update to the original report submitted prior to receipt of Amendment 233. (Reference 4).

Enclosure 2 provides the Braidwood Unit 2 Tube Inspection report in accordance with the revised Braidwood Unit 2 TS 5.6.9 reporting requirements in References 1 and 3. Each Braidwood Unit 2 TS 5.6.9 reporting requirement is listed along with the associated information based on the inspection performed during the Braidwood Unit 2 Cycle 23 spring 2023 refueling outage (A2R23), which was the most recent inspection of the Braidwood Unit 2 SGs.

Please direct any questions you may have regarding this submittal to Mr. Dane Brunswick, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,

Gugle,  
Greg

Digitally signed by Gugle, Greg  
Date: 2023.10.30 07:04:17 -0500

Gregory Gugle  
Site Vice President  
Braidwood Station

Enclosure 1: Braidwood Station, Unit 1 Updated Steam Generator Tube Inspection Report  
Enclosure 2: Braidwood Station, Unit 2 Steam Generator Tube Inspection Report

cc: NRC Regional Administrator, Region III  
NRC Senior Resident Inspector – Braidwood Station  
NRC Project Manager, NRR – Braidwood and Byron Stations  
Illinois Emergency Management Agency – Division of Nuclear Safety