



# Constellation

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May 10, 2023  
BW230027

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

Braidwood Station, Unit 2  
Renewed Facility Operating License No. NPF-77  
NRC Docket No. STN 50-457

Subject: Core Operating Limits Report, Braidwood Unit 2 Cycle 24

The purpose of this letter is to transmit the Core Operating Limits Report (COLR) for Braidwood Unit 2 Cycle 24 in accordance with Technical Specification 5.6.5, "Core Operating Limits Report (COLR)." Braidwood Unit 2 Cycle 24 COLR, Revision 16 was implemented during Braidwood Unit 2 Refueling Outage 23 in support of Cycle 24 operation. Note that the revision number is based on a numbering convention that continues from the previous revision of the Unit 2 COLR, i.e., Braidwood Unit 2 Cycle 23, Revision 15.

If you have any questions regarding this matter, please contact Mr. Dane Brunswick, Regulatory Assurance Manager, at (815) 417-2800.

Sincerely,

**Gugle** Digitally signed  
by Gugle, Greg  
Date:  
**, Greg** 2023.05.01  
07:17:36 -05'00'

Greg Gugle  
Site Vice President  
Braidwood Station

Attachment: Core Operating Limits Report (COLR) for Braidwood Unit 2 Cycle 24, Revision 16

cc: NRC Regional Administrator, Region III  
NRC Senior Resident Inspector – Braidwood Station  
NRC Project Manager, NRR – Braidwood and Byron Stations