



Constellation Energy Generation, LLC (CEG)
Braidwood Station
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May 1, 2025
BW250019

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

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

Subject: 2024 Annual Radioactive Effluent Release Report

The attached document includes the 2024 Annual Radioactive Effluent Release Report for Braidwood Station. This report is being submitted in accordance with 10 CFR 50.36a, "Technical specifications on effluents from nuclear power reactors," and Technical Specification 5.6.3, "Radioactive Effluent Release Report," and includes a summary of radiological liquid and gaseous effluents and solid waste released from the site from January 2024 through December 2024.

If you have any questions regarding this information, please contact Dane Brunswick, Regulatory Assurance Manager, at (779) 231-6246.

Respectfully,

A handwritten signature in black ink, appearing to be "AS" with a long horizontal flourish extending to the right.

Adam Schuerman
Site Vice President
Braidwood Station

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