

Exelon Generation Company, LLC  
Braidwood Station  
35100 South Route 53, Suite 84  
Braceville, IL 60407-9619

www.exeloncorp.com

April 30, 2008  
BW080042

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

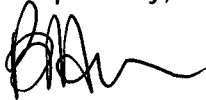
Braidwood Station, Units 1 and 2  
Facility Operating License Nos. NPF-72 and NPF-77  
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: 2007 Radioactive Effluent Release Report

The attached document includes the 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 2007 through December 2007.

If you have any questions regarding this information, please contact Mr. Dave Gullott, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,



Bryan Hanson  
Site Vice President  
Braidwood Station

Attachments: 2007 Radioactive Effluent Release Report  
CY-BR-170-301, Revision 4, Offsite Dose Calculation Manual (ODCM)

JE48  
A009

NRR

cc: Region Administrator - NRC Region III  
Illinois Emergency Management Agency - Division of Nuclear Safety (report only)  
Vice President - Regulatory and Legal Affairs (w/o attachments)  
Director, Licensing and Regulatory Affairs (w/o attachments)  
Regulatory Assurance Manager - Braidwood Station (w/o attachments)  
Manager, Licensing - Braidwood, Byron and LaSalle County Stations (w/o attachments)  
Braidwood Nuclear Licensing Administrator (w/o attachments)  
Exelon Document Control Desk Licensing (report only)