Exelon Generation Company, LLC
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

Exelon Nuclear

10 CFR 20.2206(c)

April 30, 2007

LTR: BYRON 2007-0054
File: 1.10.0101

REIRS Project Manager
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN-454 and STN 50-455

Subject: Annual Dose Report for 2006

Pursuant to 10 CFR 20.2206, "Reports of individual monitoring," paragraph (c), the Annual Dose Report covering the previous year shall be submitted on or before April 30 of each year. The Annual Dose Report for 2006 provides the results of individual radiation monitoring carried out by Byron Station for each individual for whom radiation monitoring was provided during 2006. The data file containing this report was submitted electronically via the Radiation Exposure and Information Reporting System (REIRS) internet web page on April 25, 2007.

The data file entitled "byr2006form5.dat" was generated on April 12, 2007 following the guidance provided in Regulatory Guide 8.7, "Instructions for Recording and Reporting Occupational Radiation Exposure Data," Revision 1, dated June 1992.

Should you have any questions concerning this information, please contact W. Grundmann at (815) 406-2800.

Respectfully,

David M. Hoots
Site Vice President
Byron Station

DMH/LD/TLH/rah