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July 31, 2007

LTR: BYRON 2007-0056  
File: 1.10.0101

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

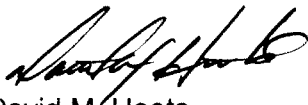
Byron Nuclear Power Station, Unit 2  
Facility Operating License NPF-66  
NRC Docket No. STN 50-455

Subject: Byron Station Unit 2 Steam Generator Inservice Inspection Summary Report for  
Refueling Outage 13

In accordance with Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Report," Exelon Generation Company, LLC is reporting the results of the steam generator inspections that were completed during the Byron Station Unit 2, Refueling Outage 13. The attached report is also being submitted in accordance with the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, 2001 Edition through the 2003 Addenda, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," Article IWA-6000, "Record and Reports," and Paragraph II-890.2.3, "Reporting" of ASME Section V "Nondestructive Examination," Article 8 – Appendix II, "Eddy Current Examination of Nonferromagnetic Heat Exchanger Tubing," 2001 Edition through the 2003 Addenda.

If there are any questions regarding this report, please contact W. Grundmann, Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,



David M. Hoots  
Site Vice President  
Byron Nuclear Generating Station

Attachment: Byron Station Unit 2 Steam Generator Eddy Current Inspection Report Cycle 13  
Refueling Outage, April 2007

DMH/JS/TLH/rah