

Exelon Generation Company, LLC www.exeloncorp.com
Byron Station
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Byron, IL 61010-9794

January 3, 2006

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

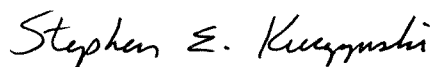
Byron Nuclear Power Station, Unit 2
Facility Operating License NPF-66
NRC Docket No. STN 50-455

Subject: Byron Station Unit 2 Steam Generator Inservice Inspection Summary Report

In accordance with Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Reports," Item "b", Exelon Generation Company, LLC is reporting the results of the steam generator inspections that were completed during the Byron Station Unit 2, Refueling Outage 12. The attached report is also being submitted in accordance with the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, 1989 Edition, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," Article IWA-6000, "Records and Reports," and Article IV-7000, "Report of Examination," of Mandatory Appendix IV, "Eddy Current Examination of Non-Ferromagnetic Steam Generator Heat Exchanger Tubing."

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

Respectfully,



Stephen E. Kuczynski
Site Vice President
Byron Nuclear Generating Station

Attachment: Byron Station Unit 2 Steam Generator Eddy Current Inspection Report Cycle 12
Refueling Outage, September 2005

SEK/JS/TLF/rah