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United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Byron Station, Unit 1
Facility Operating License No. NPF-37
NRC Docket No. STN 50-454

SUBJECT: Byron Station Unit 1 90-Day Inservice Inspection Report for Interval 3, Period 1,
Outage 1 (B1R14)

The subject 90-day Inservice Inspection Report for the Byron Station Unit 1, Refueling Outage Fourteen (i.e., B1R14) is being submitted pursuant to the requirements of Article IWA-6000, "Records and Reports" of Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, 1989 Edition and the 2001 Edition through the 2003 Addenda. The report covers the inservice inspections conducted prior to and during the Unit 1 Fall 2006 refueling outage.

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

Respectfully,



David M. Hoots
Site Vice President
Byron Nuclear Generating Station

DMH/RGM/TLH/rah

Attachment: B1R14 Inservice Inspection Summary Report – Fall 2006 Outage