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June 2, 2004

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United States Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

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

Subject: Byron Station Unit 2 60-Day Response to First Revised NRC Order EA-03-009, "Issuance of First Revised NRC Order (EA-03-009) Establishing Interim Inspection Requirements for Reactor Pressure Vessel Heads at Pressurized Water Reactors"

- References:
- 1) Letter from NRC, "Issuance of First Revised NRC Order (EA-03-009) Establishing Interim Inspection Requirements for Reactor Pressure Vessel Heads at Pressurized Water Reactors," dated February 20, 2004.
 - 2) Letter from R. P. Lopriore to NRC, "Byron Station Unit 2 Response to NRC Bulletin 2002-01, "Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity"," dated October 25, 2002.

In Reference 1, (i.e., First Revised NRC Order EA-03-009), the NRC modified interim inspection requirements for reactor pressure vessel (RPV) heads at pressurized water reactors. A bare metal visual inspection of the Byron Station Unit 2 RPV head surface, equivalent to that required by Section IV, paragraph C (5) (a) of Reference 1, was performed during Byron Station, Unit 2 refueling outage 10 (i.e., B2R10) in Fall 2002. The results of this inspection were provided to the NRC in Reference 2.

As required by Reference 1, Section IV, paragraph D, a visual inspection to identify potential boric acid leaks from pressure-retaining components above the RPV head was performed during Byron Station, Unit 2 refueling outage 11 (i.e., B2R11) in March 2004. The visual inspection did not identify any boric acid leaks from pressure-retaining components above the RPV head or any boron deposits on the mirror insulation above the RPV head.

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Since no leakage or boron deposits were identified during this inspection, a report in accordance with Reference 1, Section IV, paragraph E, is not required to be submitted; however, the inspection results are being provided to assure thorough communications on First Revised NRC Order EA-03-009 actions.

Should you have any questions or desire additional information regarding this letter, please contact William Grundmann, Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,



Stephen E. Kuczynski
Site Vice President
Byron Nuclear Generating Station

cc: Regional Administrator - NRC Region III
NRC Senior Resident Inspector - Byron Station