



Duke Energy Corporation

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H. B. Barron
Vice President

April 24, 2002

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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Subject: McGuire Nuclear Station Units 1 & 2
Docket Nos. 50 -369, 370
Response to NRC Bulletin 2002-01:
Reactor Pressure Vessel Head Degradation and
Reactor Coolant Pressure Boundary Integrity

Pursuant to 10 CFR 50.54(f), this letter and the associated attached Enclosure provides Duke Energy Corporation's (Duke's) response to specific items of NRC Bulletin 2002-01 for McGuire Nuclear Station. This bulletin requested plant-specific information as a result of NRC staff concerns regarding reactor pressure vessel head degradation and reactor coolant pressure boundary integrity.

Responses are provided for Bulletin items 2.A and 2.B in Enclosure I. These responses provide information concerning the results of reactor vessel head inspection.

If you have questions or need additional information, please contact Gregory S. Kent at (704)373-6032.

Very truly yours,

H.B. Barron

ENCLOSURE

A095

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OATH or AFFIRMATION

H.B. Barron, affirms that he is the person who subscribed his name to the foregoing statement, and that all the matters and facts set forth herein are true and correct to the best of his knowledge.

H.B. Barron, Vice President, McGuire Nuclear Site

Subscribed and sworn to me: April 24, 2002
Date

Deborah G. Thrap, Notary Public
Deborah G. Thrap

My Commission Expires: 4/6/2007
Date

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ENCLOSURE I
McGuire Nuclear Station
Response to NRC Bulletin 2002-01

Requested Information

2. **Within 30 days after restart following the next inspection of the reactor pressure vessel head to identify any degradation, all PWR addressees are required to submit to the NRC the following information:**
 - A. **the inspection scope (if different than that provided in response to item 1.D.) and results including the location, size and nature of any degradation detected**

Response:

A complete bare metal visual inspection of the McGuire Nuclear Station (MNS) Unit 2 reactor pressure vessel head was conducted on March 21, 2002. The scope of this inspection is consistent with MNS's response to item 1.D. of NRC Bulletin 2002-01. Video cameras provided the predominant method of inspection. For areas obscured to the camera, inspectors supplemented the inspection with the use of handheld mirrors and lights. The results of this inspection indicated that the head is free of boron deposits and no corrosion or wastage was noted.

The MNS Unit 2 refueling outage for end of cycle 14 was concluded on March 27, 2002, when the unit was placed on-line.

Requested Information

2. **Within 30 days after restart following the next inspection of the reactor pressure vessel head to identify any degradation, all PWR addressees are required to submit to the NRC the following information:**
 - B. **The corrective actions taken and the root cause of the degradation.**

Response:

No degradation was identified. Therefore, no corrective action was necessary.