

November 1, 2005

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555-0001

Subject: Duke Energy Corporation  
McGuire Nuclear Station, Unit 1  
Docket No. 50-369  
Response to NRC Bulletin 2004-01: Inspection of Alloy 82/182/600  
Materials Used in the Fabrication of Pressurizer Penetrations and Steam  
Space Piping Connections at Pressurized-Water Reactors

Reference: Letter from Duke Energy Corporation to the NRC dated July 27, 2004 as  
supplemented by letter dated September 21, 2004

NRC Bulletin 2004-01, "Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors," required that within 60 days of plant restart following the next inspection of Alloy 82/182/600 pressurizer penetrations and steam space piping connections, licensees submit to the NRC a statement indicating that the inspections described in the response to item (1) (c) of the bulletin were completed and a description of the as-found condition of the pressurizer shell, any findings of relevant indications found by NDE, a summary of the disposition of any findings of boric acid, and any corrective actions taken and/or repairs made as a result of the indications found.

During the McGuire Unit 1 Refueling Outage (IEOC17), inspections described in the response to item (1) (c) of the bulletin were completed. A 100% bare metal visual (BMV) examination (360°) was performed on all Alloy 82/182/600 weld locations on the pressurizer. These BMV inspections were performed by VT-2 qualified inspectors.

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The inspection scope included the following locations:

- (1) Pressurizer surge line nozzle weld
- (3) Pressurizer safety valve nozzle welds
- (1) Pressurizer spray nozzle weld
- (1) Pressurizer PORV nozzle weld
- (1) Pressurizer manway

There was no evidence of leakage or boric acid deposits observed at any of these locations. There was no wastage identified on the external surface of the pressurizer vessel head.


Questions regarding this submittal should be directed to Kay Crane, McGuire Regulatory Compliance at (704) 875-4306.

A handwritten signature in black ink, appearing to read "Gary R. Peterson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Gary R. Peterson

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Gary R. Peterson, being duly sworn, affirms that he is the person who subscribed his name to the foregoing statement, and that all matters and facts set forth herein are true and correct to the best of his knowledge.

  
Gary R. Peterson, McGuire Site Vice President

Subscribed and sworn to me: November 1, 2005

 Notary Public

My commission expires: August 17, 2006



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