

Exelon Generation Company, LLC
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

Nuclear

December 14, 2006

LTR: BYRON 2006-0144
File: 1.10.0101

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

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. 50-454 and 50-455

Subject: Commitment Regarding Byron Station Relief Request I3R-08 for Byron Station Unit 2

- References:
- (1) Letter from D. M. Hoots (Exelon Generation Company, LLC) to U. S. NRC, "3rd 10-Year Inservice Inspection Interval, Relief Request I3R-08, 'Preventive Weld Overlays on Pressurizer Spray, Relief, Safety and Surge Nozzles and Associated Alternative Repair Techniques,'" dated April 28, 2006
 - (2) Letter from D. M. Hoots (Exelon Generation Company, LLC) to U. S. NRC, "Response to NRC Request for Additional Information to Byron Station Relief Request I3R-08," dated August 18, 2006
 - (3) Letter from K. R. Jury (Exelon Generation Company, LLC) to U. S. NRC, "Commitment Regarding Byron Station Relief Request I3R-08," dated September 14, 2006
 - (4) Letter from D. M. Hoots (Exelon Generation Company, LLC) to U. S. NRC, "Pressurizer Weld Overlay Examination Results Related to Byron Station Relief Request I3R-08," dated October 26, 2006

During the review of the Reference 1 and Reference 2 submittals, the NRC determined that a commitment to provide information on the results of the ultrasonic examinations of the Byron Station Unit 2 pressurizer overlays is required to obtain approval of Relief Request I3R-08 for Byron Station Unit 2.

In accordance with this request, Exelon Generation Company, LLC (EGC) is committing to provide the details of the ultrasonic examination results of the structural weld overlays on the Byron Station Unit 2 pressurizer nozzle safe-ends to the NRC within 14 days of the completion of the final ultrasonic examination.

EGC will notify the NRC Project Manager for Byron Station when the examination of the final structural weld overlay for Byron Station Unit 2 is complete. These examinations are planned as part of the Byron Station Unit 2 weld overlay project targeted for the Spring 2007 refueling outage and, therefore, approval of relief request I3R-08 is requested by March 24, 2007.

This same commitment was required for approval of Relief Request I3R-08 for Byron Station Unit 1 and was provided in the Reference 3 submittal. In accordance with this commitment, the results of the Byron Station Unit 1 ultrasonic examinations of the structural weld overlays were provided in the Reference 4 submittal.

The attachment to this letter provides the details of this EGC commitment for Byron Station Unit 2. Should you have any questions concerning this letter, please contact William Grundmann at (815) 406-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "David M. Hoots", is written over a horizontal line.

David M. Hoots
Site Vice President
Byron Station

Attachment: Commitment Related to Byron Station Relief Request I3R-08 for Byron
Station Unit 2

**Exelon Generation Company, LLC (EGC) Commitment
Related to Byron Station Relief Request I3R-08 for Byron Station Unit 2
AR 568211-01**

| COMMITMENT | COMMITTED DATE OR "OUTAGE" | COMMITMENT TYPE | |
|---|--|--------------------------------|------------------------------------|
| | | ONE-TIME ACTION (Yes/No) | PROGRAMMATIC ACTION (Yes/No) |
| <p>EGC commits to providing the NRC the results of the ultrasonic examination of the structural weld overlays on the Byron Station Unit 2 pressurizer safe-ends.</p> <p>The results will include:</p> <ul style="list-style-type: none"> • a listing of indications detected,¹ • the disposition of all indications using the standards of ASME Section XI, IWB-3514-2 and/or IWB-3514-3 criteria and, if possible, • the type and nature of the indications² <p>Also included in the results will be a discussion of any repairs to the overlay material and/or base metal and the reason for the repair.</p> <p>Subsequent Inservice examination of the structural weld overlays on pressurizer will be in accordance with ASME Section XI, Appendix Q, Q-4300</p> | <p>Within 14 days after the completion of the last ultrasonic examination of the weld overlays performed during the Spring 2007 Byron Station Unit 2 refueling outage (B2R13).</p> | Yes | No |

¹ The recording criteria of the ultrasonic examination procedure to be used for the examination of the Byron Station Unit 2 pressurizer overlays requires that all indications, regardless of amplitude, be investigated to the extent necessary to provide accurate characterization, identity, and location. Additionally, the procedure requires that all indications, regardless of amplitude, that cannot be clearly attributed to the geometry of the overlay configuration be considered flaw indications.

² The ultrasonic examination procedure requires that all suspected flaw indications are to be plotted on a cross sectional drawing of the weld and that the plots should accurately identify the specific origin of the reflector.