

RS-06-131

September 14, 2006

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

- 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

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 1 pressurizer overlays is required to obtain approval of Relief Request I3R-08 for Byron Station Unit 1.

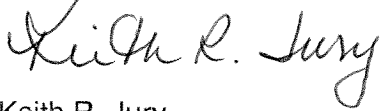
In accordance with this request, Exelon Generation Company, LLC (EGC) is committing to provide the details of the ultrasonic examination results of the structural weld overlays on the Byron Station Unit 1 pressurizer spray, relief, safety and surge nozzle safe-ends to the NRC within 14 days of the completion of the final ultrasonic examination. EGC will notify the NRC Project Manager for Byron Station when the examination of the final structural weld overlay is complete.

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The attachment to this letter provides the details of this EGC commitment.

Should you have any questions concerning this letter, please contact David Chrzanowski at (630) 657-2816.

Respectfully,

A handwritten signature in black ink that reads "Keith R. Jury". The signature is written in a cursive style with a large, prominent initial "K".

Keith R. Jury
Director, Licensing and Regulatory Affairs
Exelon Generation Company, LLC

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

**Exelon Generation Company, LLC (EGC) Commitment
Related to Byron Station Relief Request I3R-08**

COMMITMENT	COMMITTED DATE OR "OUTAGE"	COMMITMENT TYPE	
		ONE-TIME ACTION (Yes/No)	PROGRAMMATIC ACTION (Yes/No)
<p>EGC commits to providing the results of the ultrasonic examination of the structural weld overlays on the Byron Station Unit 1 pressurizer spray, relief, safety and surge nozzle safe-ends to the NRC (6 locations total).</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 during the Fall 2006 Byron Station Unit 1 refueling outage (B1R14).</p>	<p>Yes</p>	<p>No</p>

¹ The recording criteria of the ultrasonic examination procedure to be used for the examination of the Byron Station Unit 1 pressurizer overlays (PDI-UT-8, Revision F) 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 Ultrasonic examination procedure PDI-UT-8, Revision F 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.