

RS-09-050

10 CFR 50.55a

April 2, 2009

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001Byron Station, Unit 2  
Facility Operating License No. NPF-66  
NRC Docket No. STN 50-455

Subject: Requests for Relief for Alternate Examination Frequency Under ASME Code Case N-729-1 and from Requirements for Limited Examination of Reactor Vessel Head Penetration Welds in accordance with 10 CFR 50.55a(a)(3)(i)

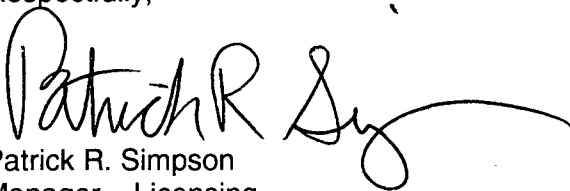
In accordance with 10 CFR 50.55a, "Codes and standards," paragraph (a)(3)(i), Exelon Generation Company, LLC, (EGC) is requesting NRC approval of relief requests I3R-16 and I3R-17 for the Byron Station, Unit 2. These relief requests are for the third 10-year interval inservice inspection (ISI) interval. The details of these requests are enclosed in Attachments 1 and 2. The attached relief requests evaluate the proposed alternatives and conclude they provide an acceptable level of quality and safety.

In addition, EGC conducted a pre-submittal meeting with the NRC on February 13, 2008, regarding the proposed relief in Attachment 1. Attachment 1 addressed the considerations raised by the NRC during the meeting, including the Byron Station Unit 2 inspection results.

EGC requests approval of these relief requests by April 2, 2010, in support of the Byron Unit 2 spring 2010 refueling outage (B2R15).

There are no regulatory commitments contained in this letter. If you have any questions concerning this letter, please contact Ms. Lisa A. Schofield at (630) 657-2815.

Respectfully,

Patrick R. Simpson  
Manager – LicensingAD47  
NLR

Attachments:

1. 10 CFR 50.55a Relief Request I3R-16
2. 10 CFR 50.55a Relief Request I3R-17
3. Byron Unit 2 – Technical Basis for Reactor Pressure Vessel Head Inspection Relaxation
4. Evaluation of Crack Growth of a Postulated Flaw in Byron Unit 2 CRDM Nozzles by Primary Water Stress Corrosion Cracking
5. Metallurgical Evaluations of a 'Boat' Sample from the #68 CRDM Penetration on Byron Unit 2