

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

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

Byron Station, Unit 2
Facility Operating License No. NPF-66
NRC Docket No. STN 50-455

Subject: Steam Generator Tube Repairs Resulting from Byron Station, Unit-2, Cycle12
Refueling Outage

Pursuant to Item "a" of Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Reports," we are reporting the number of SG tubes plugged or repaired during Byron Station, Unit-2, Cycle 12 Refueling Outage.

A 100% full-length eddy current bobbin coil inspection was performed on all four Unit-2 steam generators. Additionally, a 20% plus-point inspection of tubes within the hot leg top of tubesheet region from +3 inches above to -17 inches below the top of the tubesheet was performed on all four Unit-2 steam generators. This sample included a 20% minimum sample of the total population of bulges ≥ 18 volts and over-expansions ≥ 1.5 mils located within the hot leg tubesheet from top of the tubesheet to 17 inches below the top of the tubesheet.

A total of 17 tubes were plugged during the current Byron Station, Unit-2, Cycle 12 Refueling Outage.

Based upon the results of this inspection, SGs 2A and 2D steam generators were classified as inspection category C-1 and SGs 2B and 2C were classified as inspection category C-2 in accordance with Technical Specification 5.5.9.c, "Inspection Results Classification."

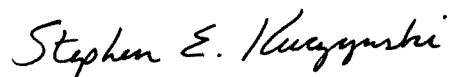
The plugging distribution between the SGs is summarized in the table below.

Steam Generator	Tubes Plugged this Outage (B2R12)	Tubes Plugged Previously	Total Tubes Plugged*
2A	0	144	144
2B	10	113	123
2C	4	53	57
2D	3	22	25
Total	17	332	349

*Each SG contains 4570 tubes

If there are any questions regarding this information, please contact Mr. W. Grundmann, Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,



Stephen E. Kuczynski
Site Vice President
Byron Nuclear Generating Station

SEK/JS/TLF/rah