

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

March 28, 2002

LTR: BYRON 2002-5006
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United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Byron Station, Unit 1
Facility Operating License No. NPF-37
NRC Docket No. STN 50-454

Subject: Steam Generator Tube Repairs Resulting from Byron Station, Unit 1, Cycle 11
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 1, Cycle 11 Refueling Outage (B1R11).

A 54% full-length eddy current bobbin coil inspection was performed that consisted of 100% of the peripheral tubes and 50% of the interior tubes in each of the four steam generators. In addition, a 25% hot leg top of tubesheet plus-point inspection was performed on each of the four SGs.

Based upon the results of this inspection, each SG was classified as inspection category C-1 in accordance with Technical Specification 5.5.9.c, "Inspection Results Classification." No tubes were plugged during the current Byron Station, Unit 1, Cycle 11 Refueling Outage. The tube plugging distribution between SGs is summarized in the table below.

Steam Generator	Tubes Plugged this Outage (B1R11)	Tubes Plugged Previously	Total Tubes Plugged*
1A	0	0	0
1B	0	0	0
1C	0	1	1
1D	0	0	0
Total	0	1	1

* Each SG contains 6633 tubes.

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

Respectfully



Richard P. Lopriore
Site Vice President
Byron Nuclear Generating Station

RL/JS/GWS/dpk

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Byron Station
NRC Project Manager – NRR – Byron Station
Office of Nuclear Facility Safety – Illinois Department of Nuclear Safety