

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

October 8, 2002

LTR: BYRON 2002-0102
 File: 3.11.0530

United States Nuclear Regulatory Commission
 Attention: 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,
 Cycle10 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 10 Refueling Outage (B2R10).

A 100% full-length eddy current bobbin coil inspection and 75% plus-point inspection of the hot leg top of tubesheet and low row U-bend regions were performed on all four steam generators. 75% of the total population of hot leg dents and dings that were greater than 5.0 volts were also inspected with the plus-point probe in all steam generators. In addition, a 25% plus-point inspection of the pre-heater baffle plate expansions was performed in the 2B, 2C, and 2D steam generators.

Based upon the results of this inspection, steam generators 2B, 2C, and 2D were classified as inspection category C-1 in accordance with Technical Specification 5.5.9.c, "Inspection Results Classification." Steam generator 2A was classified as inspection category C-2. A total of 14 tubes were plugged during the current Byron Station, Unit 2, Cycle 10 Refueling Outage. The plugging distribution between the SGs is summarized in the table below.

Steam Generator	Tubes Plugged this Outage (B2R10)	Tubes Plugged Previously	Total Tubes Plugged*
2A	2	50	52
2B	0	113	113
2C	9	44	53
2D	3	19	22
Total	14	226	240

*Each SG contains 4570 tubes

Pool

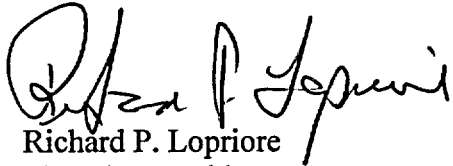
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If there are any question regarding this information, please contact Mr. W. Grundmann,
Regulatory Assurance Manager, at (815) 406-2800.

Respectfully,



Richard P. Lopriore

Site Vice President

Byron Nuclear Generating Station

RPL/JS/DD/rah

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