

Commonwealth Edison Company
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441



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United States 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 Unit 2 Cycle 8
Refueling Outage (B2R08)

Pursuant to Technical Specification 5.6.9.a, "Steam Generator (SG) Tube Inspection Reports," we are reporting the number of SG tubes plugged or repaired. This report is due within 15 days following the completion of inservice inspection activities.

The following eddy current inspections were performed during this refuel outage.

- 100% full length bobbin coil inspection in each SG.
- 25% top of tubesheet (i.e., on the hot leg side) plus-point inspection in each SG.
- 25% row 1 and row 2 U-bend plus-point inspection in each SG.
- 25% pre-heater baffle plate expansion plus-point inspection in the 2A SG.
- 25% plus-point inspection of hot leg dents and dings greater than 5.0 volts indication.

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As a result of the B2R08 eddy current inspections, a total of fourteen tubes were removed from service by tube plugging. The tube plugging distribution between steam generators is summarized in the below table.

Steam Generator	Tubes Plugged This Outage (B2R08)	Tubes Plugged in Previous Outages	Total Tubes Plugged*
2A	1	49	50
2B	8	101	109
2C	3	38	41
2D	2	17	19
Totals	14	205	219

* 4570 Tubes per SG.

SGs A, B, C and D were classified as inspection category C-2 in accordance with Technical Specification 5.5.9.c, "Inspection Results Classification."

If there are any additional questions regarding this matter, please contact Mr. Karl Moser, Acting Regulatory Assurance Manager at (815) 234-5441, extension 2159.

Respectfully,



William Levis
Site Vice President
Byron Station

WL/JL/dpk

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Byron Station

bcc: NRC Project Manager – NRR – Byron Station
Office of Nuclear Facility Safety – IDNS
Nicholas Reynolds – Winston and Strawn
Site Vice President – Byron Station
Vice President, Regulatory Services
Director, Licensing and Compliance – Braidwood and Byron Stations
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