

Exelon Generation Company, LLC www.exeloncorp.com
Braidwood Station
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May 8, 2006
BW060043

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Braidwood Station, Unit 1
Facility Operating License No. NPF 72
NRC Docket No. STN 50-456

Subject: April 2006 Steam Generator Inservice Inspection Report

In accordance with Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Reports," Exelon Generation Company, LLC is reporting the number of tubes plugged or repaired during the SG inservice inspection activities conducted during the Braidwood Station Unit 1 April 2006, twelfth refueling outage, (A1R12). Technical Specification 5.6.9.a requires that following each inservice inspection of the SG tubes, the number of tubes plugged or repaired in each SG shall be reported to the NRC within 15 days.

The Braidwood Station A1R12 SG tube eddy current inspection scope included 100% full-length bobbin coil inspection, and 20% +Point™ inspection of the hot leg top of tubesheet region of the 1A, 1B, 1C and 1D SGs. Additionally, +Point™ was conducted on bobbin coil indications classified as requiring additional diagnostic testing.

The SG tube inspections were completed on April 26, 2006. No tube sleeving was performed this outage. The following table provides the number of tubes removed from service during A1R12 and the total number of tubes removed from service to date by tube plugging.

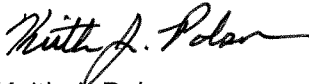
Braidwood Unit 1 Steam Generator Tube Plugging Summary

	SG A	SG B	SG C	SG D	Total
Previously Plugged	10	14	5	1	30
Plugged During A1R12	11	17	0	0	28
Total	21	31	5	1	58

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Please direct any questions regarding this submittal to Dale F. Ambler, Braidwood Regulatory Assurance Manager, at (815) 417-2800.

Sincerely,

A handwritten signature in black ink, appearing to read "Keith J. Polson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Keith J. Polson
Site Vice President
Braidwood Station