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Braidwood Station
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May 10, 2005
BW050042

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Braidwood Station, Unit 2
Facility Operating License No. NPF 77
NRC Docket No. STN 50-457

Subject: April 2005, Eleventh Refuel Outage
 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 2 April 2005 eleventh refueling outage. 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, Unit 2 April 2005 eleventh refueling outage 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 to a depth of 17 inches, of the 2A, 2B, 2C and 2D SGs. +Point™ inspection was conducted on any bobbin coil indications classified as requiring additional diagnostic testing.

The SG tube inspections were completed on April 26, 2005. No tube sleeving was performed this outage. The Braidwood Unit 2 Steam Generator Tube Plugging Summary summarizes the inspection results during the April 2005 eleventh refueling outage and number of tubes removed from service to date by tube plugging.

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BRAIDWOOD UNIT 2
STEAM GENERATOR
TUBE PLUGGING SUMMARY

	SG A	SG B	SG C	SG D	Total
Previously Plugged	53	48	54	25	180
Plugged During April 2005 Refueling Outage	4	0	2	0	6
Total	57	48	56	25	186

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

Sincerely,



Keith J. Polson
Site Vice President
Braidwood Station

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspection – Braidwood station