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November 24, 2003
BW030110

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

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

Subject: Tenth Refuel Outage
Steam Generator In-Service 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 in-service inspection activities conducted during the Braidwood Station Unit 2 tenth refueling outage (i.e., A2R10). Technical Specification 5.6.9.a requires that following each in-service inspection of the SG tubes, the number of tubes plugged or repaired in each SG shall be reported to the NRC within 15 days. Therefore, we are providing this report by November 27, 2003.

During A2R10 refueling outage, which began November 4, 2003, eddy current inspection of the SG tubes was conducted. The scope of the inspection included 100% full-length bobbin coil inspection of the 2A, 2B, 2C and 2D SGs. Fifty percent "Plus Point" Inspection of the hot leg top of tubesheet region, Row 1 and 2 U-Bend region and hot leg dents / dings > 5.0 volts was also conducted in the 2A, 2B, 2C and 2D SGs. Plus Point inspection was conducted on any bobbin coil indications classified as requiring additional diagnostic testing.

The SG tube inspections were completed on November 12, 2003. No tube sleeving was performed this outage. The Braidwood Unit 2 Steam Generator Tube Plugging Summary provides the inspection results during A2R10 and number of tubes removed from service to date by tube plugging.

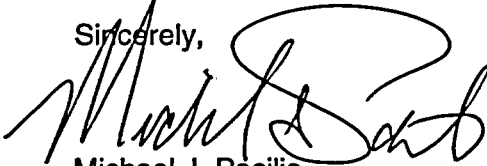
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BRAIDWOOD UNIT 2
STEAM GENERATOR
TUBE PLUGGING SUMMARY

| | SG A | SG B | SG C | SG D | Total |
|----------------------|------|------|------|------|-------|
| Previously Plugged | 45 | 9 | 44 | 24 | 122 |
| Plugged During A2R10 | 8 | 39 | 10 | 1 | 58 |
| Total | 53 | 48 | 54 | 25 | 180 |

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

Sincerely,



Michael J. Pacilio
Site Vice President
Braidwood Station

MP/MS/vk

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