



May 15, 1997

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

Subject: ComEd Braidwood Station Unit 1 Cycle 6 Refuel Outage
Steam Generator Inservice Inspection Report
Docket No. STN 50-456

References: (1) NUREG-1276, Technical Specifications, Braidwood
Station, Unit Nos. 1 and 2

Technical Specification 4.4.5.5.c of reference (1) requires that the results of steam generator (SG) tube inspections which fall into Category C-3 shall be reported in a Special Report to the Commission pursuant to Specification 6.9.2 within 30 days, and prior to resumption of plant operation. Additionally, a License Event Report evaluating the condition is required pursuant to 10CFR5073(a)(2)(ii). This report provides a description of investigations conducted to determine the cause of tube degradation and corrective measures taken to prevent recurrence.

An initial sample size of 100% of all available tubes was selected. The eddy current data was analyzed using the EddyNet 95 software. The initial sample inspection resulted in the following SGs being classified into Category C-3 based on the following reasons:

- 1A On April 23, 1997, at 07:30 hours, greater than 1% of the 3986 inservice tubes being defective.
- 1B On April 21, 1997, at 07:15 hours, greater than 1% of the 4154 inservice tubes being defective.
- 1C On April 27, 1997, at 22:30 hours, greater than 1% of the 3662 inservice tubes being defective.
- 1D On April 23, 1997, at 21:00 hours, greater than 1% of the 4153 inservice tubes being defective.

Notification per Technical Specification 4.4.5.2 pursuant to 10 CFR 50.72(b)(2)(i) for steam generators being classified in Category C-3 was initiated within four hours of

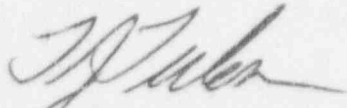
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the affected SGs being evaluated as C-3. The enclosed License Event Report (456-180-97-002) summarizes the inspection results.

Please direct any questions regarding this submittal to Terrence Simpkin, Braidwood Regulatory Assurance Supervisor, (815) 458-2801, extension 2980.

Very truly yours,



Timothy J. Tulon
Station Manager
Braidwood Station

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Enclosure: Steam Generator C-3 Report

cc: Senior Resident Inspector - Braidwood
Braidwood Project Manager, NRR
Regional Administrator, Region III