



November 6, 1996

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

Subject: ComEd Braidwood Station Unit 1 Fifth 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
- (2) ComEd Letter B.V/95-0109 to U.S. Nuclear Regulatory  
Commission from T. J. Tulon, ComEd Braidwood Station Unit  
1 Fifth Refuel Outage Steam Generator Inservice Inspection  
Report, Docket No. STN 50-456, dated November 13, 1995

Specification 4.4.5.5.b of reference (1) requires that within 12 months following the completion of each inservice inspection of steam generator tubes, the complete results of the inspection shall be submitted to the Commission in a Special Report pursuant to Specification 6.9.2. This report shall include the number and extent of tubes inspected, location and percentage of wall-thickness penetration for each indication of an imperfection, and identification of tubes plugged or repaired. The Braidwood Unit 1 steam generator eddy current inspection was completed November 13, 1995.

During this inspection, 100% of the tubing received a full length bobbin coil eddy current inspection. Due to the number of tubes being defective and, therefore, requiring to be repaired/plugged, a three volt interim plugging criteria (IPC) was approved by the NRC. Also, the inspection included a Rotating Pancake Coil (RPC) inspection of 100% of the hot-leg top-of-tubesheet roll transition regions, RPC of a minimum of 20% of the Row 1 and Row 2 U-Bend regions, RPC of a minimum of 20% of the tubes expanded at Preheater Baffles "B" and "D" in the 1C Steam Generator, RPC inspection of all hot-leg distorted support indications (DSI) greater than 3.0 volts, RPC inspection of all cold-leg DSI's greater than 1.0 volt, RPC inspection of a minimum of 20% of the hot-leg DSI's between 1.0 volt and 3.0 volts, and RPC inspections to meet the requirements of Generic Letter 95-05.

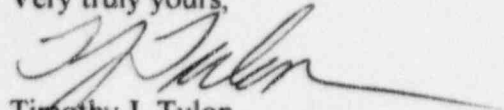
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Enclosed is a summary of the inspection results. Included are a guide to abbreviations used in the indication list, indication lists and maps, and the qualification requirements of the certified personnel performing the eddy current examinations.

Please direct any questions regarding this submittal to Doug Huston, Braidwood Licensing Supervisor, (815) 458-2801, extension 2511.

Very truly yours,



Timothy J. Tulon  
Station Manager  
Braidwood Nuclear Station

TJT/fb

Enclosure

cc: A. B. Beach, NRC Regional Administrator, Region III  
R. R. Assa, Project Manager, NRR  
C. J. Phillips, Senior Resident Inspector  
Office of Nuclear Safety - IDNS