

December 2, 2004

Mr. Christopher M. Crane, President
and Chief Nuclear Officer
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BRAIDWOOD STATION, UNIT 2 - REVIEW OF STEAM GENERATOR TUBE
INSPECTION REPORTS FOR THE FALL 2003 OUTAGE (TAC. NO. MC2104)

Dear Mr. Crane:

By letters dated November 24, 2003 (ML033360656) and February 12, 2004 (ML040540452), Exelon Generation Company (Exelon) submitted the steam generator tube inspection summary reports for the fall 2003 outage at Braidwood Station, Unit 2 (Braidwood 2) in accordance with the plant's technical specifications (TSs).

Braidwood 2 has four Westinghouse model D5 steam generators (SGs). Each SG contains 4,570 thermally treated Alloy 600 tubes. Each tube has a nominal outside diameter of 0.750-inch and a nominal wall thickness of 0.043-inch. The tubes were hydraulically expanded at both ends for the full length of the tubesheet and are supported by a number of stainless steel tube supports with quatrefoil shaped holes. The U-bend region of the tubes to be installed in rows 1 through 9 were thermally stress relieved after bending.

Of particular note during the inspections, Exelon identified four axially oriented indications indicative of outside diameter stress corrosion cracking (ODSCC) located at the hot-leg tube support plate intersections. These indications were observed in three tubes (i.e., one tube had two indications) and each of the tubes had an offset in the eddy current data, similar to that observed at Seabrook Nuclear Power Station (refer to U. S. Nuclear Regulatory Commission (NRC) Information Notice 2002-21, "Axial Outside Cracking Affecting Thermally Treated Alloy 600 Steam Generator Tubing" dated June 25, 2002, and its supplement dated April 1, 2003, for additional details). All tubes containing ODSCC indications were removed from service by mechanical tube plugging.

C. Crane

-2-

Based on the information provided, the NRC staff concludes that the Exelon provided the required information outlined by their TSs and that no additional follow-up is required at this time.

Sincerely,

/RA/

George F. Dick, Jr., Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. STN 50-457

cc: See next page

C. Crane

-2-

Based on the information provided, the NRC staff concludes that the Exelon provided the required information outlined by their TSs and that no additional follow-up is required at this time.

Sincerely,

/RA/

George F. Dick, Jr., Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. STN 50-457

cc: See next page

DISTRIBUTION:

PUBLIC	PDIII/2 r/f	LLund
OGC	YDiaz	KKarwoski
GSuh	ACRS	
PCoates	TTongue, RIII	
GDick	MMurphy	

ADAMS Accession Number: ML043270319

OFFICE	PM:PDIII-2	LA:PDIII-2	SC:PD3-2
NAME	GDick	PCoates	GSuh
DATE	12/02/04	12/01/04	12/02/04

OFFICIAL RECORD COPY

Braidwood Station Units 1 and 2

cc:

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
801 Warrenville Road
Lisle, IL 60532-4351

Document Control Desk - Licensing
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Mr. Dwain W. Alexander, Project Manager
Westinghouse Electric Corporation
Energy Systems Business Unit
Post Office Box 355
Pittsburgh, PA 15230

Joseph Gallo
Gallo & Ross
1025 Connecticut Ave., NW, Suite 1014
Washington, DC 20036

Ms. Bridget Little Rorem
Appleseed Coordinator
117 N. Linden Street
Essex, IL 60935

Howard A. Learner
Environmental Law and Policy
Center of the Midwest
35 East Wacker Dr., Suite 1300
Chicago, IL 60601-2110

U.S. Nuclear Regulatory Commission
Braidwood Resident Inspectors Office
35100 S. Rt. 53, Suite 79
Braceville, IL 60407

Ms. Lorraine Creek
RR 1, Box 182
Manteno, IL 60950

Illinois Emergency Management
Agency
Division of Disaster Assistance &
Preparedness
110 East Adams Street
Springfield, IL 62701-1109

Chairman
Will County Board of Supervisors
Will County Board Courthouse
Joliet, IL 60434

Attorney General
500 S. Second Street
Springfield, IL 62701

George L. Edgar
Morgan, Lewis and Bockius
1111 Pennsylvania Ave, NW
Washington, DC 20004

Braidwood Station Plant Manager
Exelon Generation Company, LLC
35100 S. Rt. 53, Suite 84
Braceville, IL 60407-9619

Site Vice President - Braidwood
Exelon Generation Company, LLC
35100 S. Rt. 53, Suite 84
Braceville, IL 60407-9619

Senior Vice President, Nuclear Services
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Vice President of Operations - Mid-West
Pressurized Water Reactors
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Chairman, Ogle County Board
Post Office Box 357
Oregon, IL 61061

C. Crane

Braidwood Station Units 1 and 2

-2-

Regulatory Assurance Manager - Braidwood
Exelon Generation Company, LLC
35100 S. Rt. 53, Suite 84
Braceville, IL 60407-9619

Director - Licensing and Regulatory Affairs
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Associate General Counsel
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Vice President - Licensing and Regulatory Affairs
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

Manager Licensing - Braidwood, Byron and LaSalle
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555