

April 24, 2007

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

SUBJECT: BYRON STATION, UNIT NOS. 1 AND 2, AND BRAIDWOOD STATION,
UNITS 1 AND 2 - NRC GENERIC LETTER 2006-01: STEAM GENERATOR
TUBE INTEGRITY AND ASSOCIATED TECHNICAL SPECIFICATIONS (TAC
NO. MD0066, MD0067, MD0068, AND MD0069)

On January 20, 2006, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 2006-01, "Steam Generator [SG] Tube Integrity and Associated Technical Specifications [TSs]," (Agencywide Document Access and Management System (ADAMS) Accession No. ML060200385). This GL requested that the addressees either submit a description of their program for ensuring SG tube integrity for the interval between inspections or adopt alternative TS requirements for ensuring SG tube integrity.

By letter dated February 16, 2006, Exelon Generation Company, LLC (the licensee), submitted a response to GL 2006-01 (ADAMS Accession No. ML060480524) for Byron Station, Unit Nos. 1 and 2 (Byron), and Braidwood Station Units, 1 and 2 (Braidwood). This response stated that by application to the NRC dated November 25, 2005 (ADAMS Accession No. ML053320304), the licensee requested changes to the TSs for Byron and Braidwood to adopt the alternative TS requirements for ensuring SG tube integrity. The new TSs were modeled after TS Task Force Traveler No. 449, (TSTF-449), "Steam Generator Tube Integrity," (ADAMS Accession No. ML051090200). The original application was supplemented by letters dated August 18 (ADAMS Accession No. ML062400348) and September 28, 2006 (ADAMS Accession No. ML062710559), February 15 (ADAMS Accession No. ML070470133), February 23 (ADAMS Accession No. ML070540421), and March 7, 2007 (ADAMS Accession No. ML070670126). On March 30, 2007, the NRC staff issued Amendment Nos. 150 and 144 to the Byron and Braidwood Facility Operating License which approved new SG TSs (ADAMS Accession No. ML070810354).

M. C. Crane

- 2 -

The NRC staff finds the licensee's adoption of new SG TSs modeled after TSTF-449 to be an acceptable and complete response to GL 2006-01. This completes the NRC staff's efforts on TAC Nos. MD0066, MD0067, MD0068, and MD0069. If you have any questions regarding this letter, please contact me at 301-415-3733.

Sincerely,

/RA/

Robert F. Kuntz, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-454, STN 50-455,
STN 50-456 and STN 50-457

cc: See next page

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- 2 -

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