

July 18, 2002

APPLICANT: Exelon Generation Company, LLC (Exelon)

FACILITIES: Peach Bottom Atomic Power Station, Units 2 and 3

SUBJECT: TELECOMMUNICATION WITH EXELON GENERATING COMPANY TO DISCUSS INFORMATION IN SECTION 4.3.2 REACTOR VESSEL INTERNALS FATIGUE AND EMBRITTEMENT OF THE PEACH BOTTOM LICENSE RENEWAL APPLICATION

On June 17, 2002, after the NRC staff (hereafter referred to as "the staff") reviewed information provided in Section 4.3.2 Reactor Vessel Internals Fatigue and Embrittlement, of the license renewal application (LRA), a conference call was conducted between the staff and representatives of Exelon Generating Company (hereafter referred to as "the applicant") to discuss information presented in the application pertaining to Sections 4.3.2. The information discussed, the applicant's responses, and the follow-up actions are provided below. Participants of the June 17, 2002, conference call are enclosed.

The subject discussed was reactor vessel internals embrittlement analyses. Specifically, the staff stated that Section 4.3.2.2 of the Peach Bottom Atomic Power Station (PBAPS) License Renewal Application (LRA) indicates the high fluence locations in the top guide are exempt from inspection. BWRVIP-26, BWR Top Guide Inspection and Flaw Evaluation Guidelines, states that the threshold fluence beyond which the components will be significantly affected is 5×10^{20} nvt. Appendix C to BWRVIP-26 states that the generic fluence on the top guide for 60 years is 6×10^{21} nvt, which exceeds the 5×10^{20} nvt damage threshold.

The applicant stated that the location on the top guide that will see this high fluence is the grid beam. This is location 1, as identified in BWRVIP-26, Table 3-2, "Matrix of Inspection Options." In their evaluation of the top guide assembly, including the grid beam, General Electric (GE) assumed a lower allowable stress value, acknowledging the high fluence value at this location. The conclusion from this analysis, coupled with the fact that there was no safety consequence of single failure at this location, the applicant indicated that no inspection was considered necessary.

The applicant stated that PBAPS, in the early 1990's, had performed UT inspection on the PBAPS grid beams and found no indications. In addition, at various times in the 1990s, PBAPS, Units 2 and 3, performed UT and/or VT-3 inspections on various cells and aligner pins, and found no indications. Per BWRVIP, there are no plans at this time to increase any inspection locations for the top guide. The applicant further stated that, in response to RAI 3.1-18 that was transmitted to the staff on May 2, 2002, Exelon is committed to follow the BWRVIP guidance. The staff is reviewing the applicant's response. The applicant will provide this information in a letter to the NRC.

A draft of this telephone conversation summary was provided to the applicant to allow them the opportunity to comment on the contents of its input prior to the summary being issued.

/RA/

Raj K. Anand, Project Manager
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure: As stated

cc w/enclosure: See next page

A draft of this telephone conversation summary was provided to the applicant to allow them the opportunity to comment on the contents of its input prior to the summary being issued.

/RA/

Raj K. Anand, Project Manager
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure: As stated

cc w/enclosure: See next page

DISTRIBUTION:

See next page

Document Name: C:\ORPCheckout\FileNET\ML021990483.wpd

OFFICE	RLEP:PM	RLEP:LA	DE	SC:RLEP
NAME	RAnand	HBerilla	BElliot	SLee
DATE	07/16/02	07/16/02	07/16/02	07/18/02

OFFICIAL RECORD COPY

DISTRIBUTION: Meeting Notice, Dated: July 18, 2002

HARD COPY

RLEP RF

E-MAIL:

PUBLIC

J. Johnson

W. Borchardt

D. Matthews

F. Gillespie

RidsNrrDe

R. Barrett

E. Imbro

G. Bagchi

K. Manoly

W. Bateman

J. Calvo

C. Holden

P. Shemanski

H. Nieh

G. Holahan

H. Walker

S. Black

B. Boger

D. Thatcher

G. Galletti

C. Li

J. Moore

R. Weisman

M. Mayfield

A. Murphy

W. McDowell

S. Droggitis

T. Kobetz

RLEP Staff

TELECOMMUNICATION PARTICIPANTS

NRC STAFF

Raj Anand
Barry Elliot

EXELON

Erach Patel
Al Fulvio
Kevin Muggleston
Jerry Phillabaum

Enclosure

Peach Bottom Atomic Power Station, Units 2 and 3

cc:

Mr. Edward Cullen
Vice President & General Counsel
Exelon Generation Company, LLC
300 Exelon Way
Kennett Square, PA 19348

Mr. J. Doering
Site Vice President
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314

Mr. G. Johnston
Plant Manager
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314

Mr. D. A. Henry
Regulatory Assurance Manager
Peach Bottom Atomic Power Station
1848 Lay Road
Delta, PA 17314

Resident Inspector
U.S. Nuclear Regulatory Commission
Peach Bottom Atomic Power Station
P.O. Box 399
Delta, PA 17314

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Roland Fletcher
Department of Environment
Radiological Health Program
2400 Broening Highway
Baltimore, MD 21224

Correspondence Control Desk
Exelon Generation Company, LLC
200 Exelon Way, KSA 1-N-1
Kennett Square, PA 19348

Rich Janati, Chief
Division of Nuclear Safety
Bureau of Radiation Protection
Department of Environmental Protection
Rachel Carson State Office Building
P.O. Box 8469
Harrisburg, PA 17105-8469

Board of Supervisors
Peach Bottom Township
R. D. #1
Delta, PA 17314

Public Service Commission of Maryland
Engineering Division
Chief Engineer
6 St. Paul Center
Baltimore, MD 21202-6806

Mr. Richard McLean
Power Plant and Environmental
Review Division
Department of Natural Resources
B-3, Tawes State Office Building
Annapolis, MD 21401

Dr. Judith Johnsrud
National Energy Committee
Sierra Club
433 Orlando Avenue
State College, PA 16803

Manager-Financial Control & Co-Owner
Affairs
Public Service Electric and Gas Company
P.O. Box 236
Hancocks Bridge, NJ 08038-0236

Peach Bottom Atomic Power Station
Units 2 and 3

cc:

Mr. Jeffrey A. Benjamin
Vice President-Licensing
Exelon Generation Company, LLC
4300 Winfield Road
Downers Grove, IL 60515

Mr. Michael P. Gallagher
Director - Licensing
Mid-Atlantic Regional Operating Group
Exelon Generation Company, LLC
200 Exelon Way, KSA 3-E
Kennett Square, PA 19348

Mr. Charles Pardee
Senior Vice President
Mid-Atlantic Regional Operating Group
Exelon Generation Company, LLC
200 Exelon Way, KSA 3-N
Kennett Square, PA 19348

Mr. John Skolds
Chief Operating Officer
Exelon Generation Company, LLC
4300 Winfield Road
Downers Grove, IL 60515

Mr. William Bohlke
Senior Vice President, Nuclear Services
Exelon Generation Company, LLC
4300 Winfield Road
Downers Grove, IL 60515

Mr. Jim Meister
Senior Vice President, Operations Support
Exelon Generation Company, LLC
4300 Winfield Road
Downers Grove, IL 60515

Mr. Frederick W. Polaski
Manager License Renewal
Exelon Corporation
200 Exelon Way
Kennett Square, PA 19348