

January 13, 2010

NOTE TO: File

FROM: Brian K. Harris, Project Manager */RA/*
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: DOCKETING OF DECEMBER 3, 2009 U.S. NUCLEAR REGULATORY
COMMISSION TELECONFERENCE NOTES PERTAINING TO THE LICENSE
RENEWAL OF THE DUANE ARNOLD ENRGY CENTER

This Note to File makes the following enclosed correspondence publicly available:

- **U.S. Nuclear Regulatory Commission License Renewal Teleconference –
December 3, 2009**

Enclosure:
As stated

CONTACT: Brian K. Harris, NRR/DLR
301-415-2277

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B. Harris
C. Eccelston
K. Feintuch
M. Spencer, OGC

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OFFICE	PM:RPB2:DLR	LA:RPOB:DLR
NAME	BHarris	SFiguroa
DATE	01/13/10	01/11/10

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Duane Arnold Energy Center

cc:

Mr. M. S. Ross
Vice President and Associate
General Counsel
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Ms. Marjan Mashhadi
Senior Attorney
Florida Power & Light Company
801 Pennsylvania Avenue, NW
Suite 220
Washington, DC 20004

Mr. Steven R. Catron
Manager, Regulatory Affairs
Duane Arnold Energy Center
3277 DAEC Road
Palo, IA 52324

U.S. Nuclear Regulatory Commission
Resident Inspector's Office
Rural Route #1
Palo, IA 52324

Mr. Mano Nazir
Senior Vice President
and Nuclear Chief Operating Officer
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408

Mr. D. A. Curtland
Plant Manager
Duane Arnold Energy Center
3277 DAEC Road
Palo, IA 52324-9785

Abdy Khanpour
Vice President, Engineering Support
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408

Ms. Melanie Rasmussen
Radiation Control Program Director
Bureau of Radiological Health
Iowa Department of Public Health
Lucas State Office Building, 5th Floor
321 East 12th Street
Des Moines, IA 50319-0075

Chairman, Linn County
Board of Supervisors
930 1st Street SW
Cedar Rapids, IA 52404

Mr. Raj Kundalkar, Vice President
Fleet Organizational Support
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. McHenry Cornell
Director, Licensing and Performance
Improvement
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. Christopher Costanzo
Vice President, Nuclear Plant Support
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Summary of Discussion with U.S. Nuclear Regulatory Commission

Date: December 23, 2009

Time: 1:00pm CST

Location: Telephone Conference

Participants:

U.S. Nuclear Regulatory Commission (NRC)

Brian Harris
Emma Wong
Thomas Morgan
Mathew Yoder
Robert Taylor
Wilkins Smith
Abdul Sheikh
Seung Min

Duane Arnold Energy Center (DAEC)

Ken Putnam
Curt Bock
Mike Fairchild
John VanSickel
Mike Fetzer
Bob Vincent

Topic: Miscellaneous license renewal questions from NRC review of license renewal application (LRA) and request for additional information (RAI) responses

References: As noted in summary

Main Points of Discussion:

Additional RAIs Expected

Project Manager indicated that DAEC could expect another set of RAIs in the next couple of weeks.

Boral Commitment

The content of the proposed commitment for spent fuel rack testing was discussed. NRC indicated a preference for a 10-element description (e.g., plant-specific program) rather than just a commitment. NRC indicated that with the 10-element description, there may not be a need for a separate commitment. DAEC indicated that commitment could just say to implement the new plant-specific program. It was agreed that the new program description could be submitted in January in conjunction with other RAI responses.

ACTION: DAEC to submit plant-specific program for testing of neutron absorbers in spent fuel racks sometime in January.

ENCLOSURE

RAI 3.4-6 Follow-up re: Boiling-Water Reactor Mark 1 Containment Issues

NRC questioned whether DAEC had reviewed the issues raised in Information Notice (IN) 2006-01 and IN 92-20. DAEC confirmed that the two INs had been evaluated. The review of IN 2006-01 concluded that fatigue cracking was not an issue for this plant due to the physical configuration. The review of IN 92-20 resulted in changes in the leak test procedure to include monitoring of both ends of two-ply bellows during testing. NRC indicated that this information was sufficient and no further action was needed.

RAI B3.16-1 Follow-up re: Compressed Air Monitoring Program

NRC asked for more information regarding RAI B3.16-1 description of service air piping that is in scope. DAEC provided the following clarifications:

DAEC explained that the piping, isolation valve, and test valves on each side of containment penetration X-21 as shown on LR P&ID Bech-M130<9> are in scope for license renewal. Although these components are shown on the "Service Air" drawing, they were evaluated under "Instrument Air."

The short section of safety-related piping and valves which make up the primary containment boundary is connected to, but isolated from, service air outside the primary containment by means of a locked closed manual valve. The other end of this section of piping is blank flanged and is not connected to any components inside primary containment. This is the normal configuration of this penetration. This short section of piping is in scope for license renewal to provide a safety-related primary containment isolation function. This piping is managed by the Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components Program.

Service air originally supplied air to this pipe segment, but it was isolated approximately 25 years ago. The air in this pipe is not monitored. The piping remains isolated today, which means there is no air flow ever between this piping and the other portions of the instrument air system.

The Backup Instrument Air Compressor, 1K001, is an active component and is not subject to aging management. The Backup Instrument Air Compressor housing; however, is in scope and subject to an aging management review (AMR), due to cooling water components that penetrate the compressor housing. The compressor housing itself is managed under XI.M38, Inspection of Internal Surfaces in Miscellaneous Piping and Ducting Components. Cooling water filled piping outside the compressor housing is in-scope and subject to an AMR for (a)(2).

Backup Instrument Air Compressor, 1K001, when running, discharges into the same receivers as the Instrument Air Compressors, 1K090A, B and C. This air is then supplied to the Instrument Air System, for which air quality is monitored.

Draft RAI B.3.28-2

NRC reviewed a new draft RAI B.3.28-2. This RAI expands the question raised in RAI 3.3.2.2.7-1. NRC will send a revised draft RAI with final wording before it is issued formally.

ACTIONS:

DAEC: As noted above

NRC: None

Summary: N/A

Disposition of Summary of Discussion with NRC:

- | | | |
|----|-------------------------------------------|-----------------|
| 1) | Summary for internal use | <u> </u> |
| 2) | Meeting summary with copy provided to NRC | <u> X </u> |
| 3) | Docketed letter related to meeting | <u> </u> |
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