



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

December 17, 2010

LICENSEE: Florida Power & Light Company

FACILITY: Turkey Point Nuclear Plant, Units 3 and 4

SUBJECT: SUMMARY OF JULY 26, 2010, TELECONFERENCE WITH FLORIDA POWER & LIGHT COMPANY, ON GENERIC LETTER 2004-02 (TAC NOS. MC4725 AND MC4726)

On August 6, 2009 (Agencywide Document and Management System (ADAMS) Accession No. ML092440479), Florida Power & Light Company (FPL, the licensee) and the Nuclear Regulatory Commission (NRC) held a public teleconference regarding Generic Letter (GL) 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors." More specifically, the purpose of the conference call was to discuss FPL's March 19, 2009 (ADAMS Accession Nos. ML090920410 and ML090930452), responses to the NRC's requests for additional information (RAIs). From this conference call, the NRC identified additional items that FPL would have to address. Also, the NRC generated additional RAIs, which were transmitted to the licensee via email on August 25, 2009 (ADAMS Accession No. ML100351459). The licensee provided draft responses to these open items and additional RAIs on December 4, 2009.

On February 3, 2010, FPL and the NRC held a public teleconference to discuss the licensee's December 4, 2009, draft responses regarding GL 2004-02 for Turkey Point, Units 3 and 4. As a result of the teleconference, the licensee was to revise and incorporate the comments to the Unit 3 responses, address the additional clarifying RAIs on the licensee's response for RAI 11.s from the August 25, 2009, RAIs for Unit 4, and address the NRC staff's feedback on the licensee's July 30, 2009 (ADAMS Accession No. ML092260601), submittal, "Response in Support of Turkey Point Unit 3 Extension Request – Alternative Approach for Demonstrating Turkey Point Unit 3 Compliance with Generic Letter (GL) 2004-02 Using Turkey Point Unit 4 Integrated Test Data."

On July 26, 2010, FPL and the NRC held a public teleconference at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland to discuss the licensee's draft Unit 3 responses, the response to Unit 4 RAI 11.s, and the licensee's draft responses to the NRC staff's comments on the July 30, 2009, submittal. A list of attendees is enclosed.

The first discussion was on draft RAI response 11.s for Unit 4. The staff stated that the licensee should provide a minimum sump level in its response to RAI 11.s.2 to avoid an inadvertent inconsistency with RAI response 11.s.3. The staff stated that the latest licensee responses for RAI 11.s address the staff's request.

The next discussion topic was on the July 30, 2009, submittal, which was described as the crosswalk document between Unit 3 and Unit 4 during the meeting. Regarding section 2.4 of the crosswalk document, the staff stated that the licensee has not adequately shown that uniform flow bounds actual flow, including assuming uniform approach velocity at each strainer

surface as a computational fluid dynamics boundary condition. The NRC also stated that the licensee has not shown that the chosen break is limiting for transport because of flow conditions and debris addition points for the test. Also, the licensee has not demonstrated that the test turbulence bounds the plant turbulence. Lastly, a justification for defining averaging planes for flow was not provided, nor does the staff have confidence in averaging together different flow paths without weighting the flow paths.

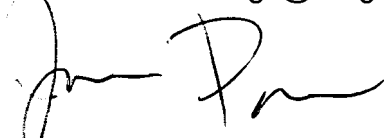
For Section 2.2 of the crosswalk document, the NRC provided feedback that the licensee should discuss the performance differences between uniform flow and non-uniform strainers. For Section 2.5.3, the licensee needs to discuss the impact of the Unit 3 non-chemical test by concluding that it was more conservative than the Unit 4 test (assuming that is the case). The NRC staff stated that this approach might be acceptable assuming that the Unit 4 testing is found acceptable. For Section 2.5.2, the NRC staff stated that the licensee should provide a summary-level description of how the vortexing calculation was done, especially the basis for the numbers and multiplication factors provided on page 16 of 25 of the latest "crosswalk" submittal.

Regarding the unresolved items generated from the February 3, 2010, public teleconference for Unit 3, the NRC staff found the draft RAI responses 3, 4, 19, and 25 through 30 acceptable for final submittal. For RAI response 24, the NRC staff stated that the licensee should add that there is no standing water in the refueling cavity since the drains are on the floor. Also, the licensee should justify why miscellaneous materials (e.g., tags and labels) would not cause drain blockage.

At the conclusion of the call, the licensee stated it will inform the NRC staff of its plans, including submittal dates, for either revising the draft responses or submitting the formal responses.

Members of the public were not in attendance. Therefore, public Meeting Feedback forms were not received.

Please direct any inquiries to me at 301-415-5888 or Jason.Paige@nrc.gov.



Jason C. Paige, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure:
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES
JULY 26, 2010, TELECONFERENCE
WITH FLORIDA POWER & LIGHT
GENERIC LETTER 2004-02

U.S. NUCLEAR REGULATORY COMMISSION

M. Scott
S. Smith
J. Lehning
W. Jessup

FLORIDA POWER & LIGHT

B. Cross
E. Lozito
E. McLean
B. Patterson
O. Hanek
R. Everett

ALDEN LABS

L. Haber

AREVA

M. Plante

Enclosure

surface as a computational fluid dynamics boundary condition. The NRC also stated that the licensee has not shown that the chosen break is limiting for transport because of flow conditions and debris addition points for the test. Also, the licensee has not demonstrated that the test turbulence bounds the plant turbulence. Lastly, a justification for defining averaging planes for flow was not provided, nor does the staff have confidence in averaging together different flow paths without weighting the flow paths.

For Section 2.2 of the crosswalk document, the NRC provided feedback that the licensee should discuss the performance differences between uniform flow and non-uniform strainers. For Section 2.5.3, the licensee needs to discuss the impact of the Unit 3 non-chemical test by concluding that it was more conservative than the Unit 4 test (assuming that is the case). The NRC staff stated that this approach might be acceptable assuming that the Unit 4 testing is found acceptable. For Section 2.5.2, the NRC staff stated that the licensee should provide a summary-level description of how the vortexing calculation was done, especially the basis for the numbers and multiplication factors provided on page 16 of 25 of the latest "crosswalk" submittal.

Regarding the unresolved items generated from the February 3, 2010, public teleconference for Unit 3, the NRC staff found the draft RAI responses 3, 4, 19, and 25 through 30 acceptable for final submittal. For RAI response 24, the NRC staff stated that the licensee should add that there is no standing water in the refueling cavity since the drains are on the floor. Also, the licensee should justify why miscellaneous materials (e.g., tags and labels) would not cause drain blockage.

At the conclusion of the call, the licensee stated it will inform the NRC staff of its plans, including submittal dates, for either revising the draft responses or submitting the formal responses.

Members of the public were not in attendance. Therefore, public Meeting Feedback forms were not received.

Please direct any inquiries to me at 301-415-5888 or Jason.Paige@nrc.gov.

/RA/

Jason C. Paige, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure:
List of Attendees

cc w/encl: Distribution via Listserv

DISTRIBUTION:

PUBLIC	RidsNrrLABClayton Resource	SSmith, NRR
LPL2-2 Branch Reading	RidsOgcRp Resource	JLehning, NRR
RidsAcraAcnw_MailCTR Resource	RidsRgn2MailCenter Resource	RidsNrrDssSsib
RidsNrrDoriLpl2-2Resource	CSteger, NRR	NSanfilippo, EDO
RidsNrrPMTurkey Point Resource	WJessup, NRR	

ADAMS Accession No. PKG ML102590300 Meeting Notice ML101940520 Meeting Summary ML102590274

OFFICE	DORL/LPL2-2/PM	DORL/LPL2-2/LA	DSS/SSIB/BC	DORL/LPL2-2/BC (A)	DORL/LPL2-2/PM
NAME	JPaige	BClayton	MScott	DBroaddus (FSaba for)	JPaige
DATE	9/20/10	9/17/10	9/27/2010	12/17/10	12/17/10

OFFICIAL RECORD COPY