

April 22, 2003

LICENSEE: Florida Power and Light Company
FACILITY: St. Lucie Nuclear Station, Units 1 and 2
SUBJECT: SUMMARY OF THE MEETING AND THE CONFERENCE CALL BETWEEN THE NRC AND THE FLORIDA POWER AND LIGHT COMPANY CONCERNING DRAFT RESPONSES TO SAFETY EVALUATION REPORT WITH OPEN ITEMS PERTAINING TO THE ST. LUCIE, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (TAC NOS. MB3406 AND MB3412)

The NRC staff and representatives of the Florida Power and Light Company (FPL) held a meeting on March 5, 2003, and a telephone conference on March 10, 2003, to discuss the applicant's draft responses to the Safety Evaluation Report (SER) with open items. On the basis of these discussions, the applicant plans to revise some of its draft responses. A meeting summary, which identifies the draft responses discussed and the applicant's planned actions, is provided in Enclosure 1. FPL has had an opportunity to review and comment on this summary. A list of the participants in the meeting is provided in Enclosure 2. The FPL draft responses and the associated open items are provided in Enclosure 3.

Sincerely,
/RA/
Tilda Y. Liu, Project Manager
License Renewal Section
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos: 50-335 and 50-389

Enclosures: 1. Meeting Summary
2. Meeting Participants
3. Draft Response to Open Items

cc w/enclosures 1, 2, and 3: See next page

April 22, 2003

LICENSEE: Florida Power and Light Company

FACILITY: St. Lucie Nuclear Station, Units 1 and 2

SUBJECT: SUMMARY OF THE MEETING AND THE CONFERENCE CALL BETWEEN THE NRC AND THE FLORIDA POWER AND LIGHT COMPANY CONCERNING DRAFT RESPONSES TO SAFETY EVALUATION REPORT WITH OPEN ITEMS PERTAINING TO THE ST. LUCIE, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (TAC NOS. MB3406 AND MB3412)

The NRC staff and representatives of the Florida Power and Light Company (FPL) held a meeting on March 5, 2003, and a telephone conference on March 10, 2003, to discuss the applicant's draft responses to the Safety Evaluation Report (SER) with open items. On the basis of these discussions, the applicant plans to revise some of its draft responses. A meeting summary, which identifies the draft responses discussed and the applicant's planned actions, is provided in Enclosure 1. FPL has had an opportunity to review and comment on this summary. A list of the participants in the meeting is provided in Enclosure 2. The FPL draft responses and the associated open items are provided in Enclosure 3.

Sincerely,

/RAI

Tilda Y. Liu, Project Manager

License Renewal Section

License Renewal and Environmental Impacts Program

Division of Regulatory Improvement Programs

Office of Nuclear Reactor Regulation

Docket Nos: 50-335 and 50-389

Enclosures: 1. Meeting Summary
2. Meeting Participants
3. Draft Response to Open Items

cc w/enclosures 1, 2, and 3: See next page

Accession nos.

DISTRIBUTION:

1. Note to Licensee w/encls. 1, 2 w/Svc. Lst: **ML031103656**

See next page

2. Encl. 3 w/Att. 1 (pgs 1-28): **ML031130726**

3. Pkg.: **ML031130729**

*See previous concurrence

Document Name: C:\ORPCheckout\FileNET\ML031130656.wpd

OFFICE	PM:RLEP:DRIP	PM:RLEP:DRIP	LA:RLEP:DRIP	SC:RLEP:DRIP
NAME	TLiu*	NDudley*	YEdmonds* (ltr only)	SLee*
DATE	3/18 /03	3/18 /03	4/21/03	4/22/03

OFFICIAL RECORD COPY

DISTRIBUTION: Summary of Meetings w/FPL, Dated: April 22, 2003

ML031103656

HARD COPY

RLEP RF

N. Dudley

T. Liu

E-MAIL:

PUBLIC

W. Borchardt

D. Matthews

F. Gillespie

RidsNrrDe

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

R. Pettis

G. Galletti

C. Li

J. Moore

R. Weisman

M. Mayfield

A. Murphy

W. McDowell

S. Smith (srs3)

S. Duraiswamy

T. Kobetz

C. Munson

RLEP Staff

S. Bailey

M. Khanna

J. Medoff

C. Lauron

D. Nguyen

T. Ross (RII)

C. Julian (RII)

Mr. J. A. Stall
Florida Power and Light Company
cc:
Mr. J. A. Stall
Senior Vice President, Nuclear and
Chief Nuclear Officer
Florida Power and Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Senior Resident Inspector
St. Lucie Plant
U.S. Nuclear Regulatory Commission
P.O. Box 6090
Jensen Beach, Florida 34957

Craig Fugate, Director
Division of Emergency Preparedness
Department of Community Affairs
2740 Centerview Drive
Tallahassee, Florida 32399-2100

M. S. Ross, Attorney
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. Douglas Anderson
County Administrator
St. Lucie County
2300 Virginia Avenue
Fort Pierce, Florida 34982

Mr. William A. Passetti, Chief
Department of Health
Bureau of Radiation Control
2020 Capital Circle, SE, Bin #C21
Tallahassee, Florida 32399-1741

Mr. Donald E. Jernigan, Site Vice President
St. Lucie Nuclear Plant
6501 South Ocean Drive
Jensen Beach, Florida 34957

Mr. R. E. Rose
Plant General Manager
St. Lucie Nuclear Plant
6501 South Ocean Drive
Jensen Beach, Florida 34957

ST. LUCIE PLANT

Mr. J. T. Voorhees
Acting Licensing Manager
St. Lucie Nuclear Plant
6501 South Ocean Drive
Jensen Beach, Florida 34957

Mr. Don Mothena
Manager, Nuclear Plant Support Services
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. Rajiv S. Kundalkar
Vice President - Nuclear Engineering
Florida Power & Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

Mr. J. Kammel
Radiological Emergency
Planning Administrator
Department of Public Safety
6000 SE. Tower Drive
Stuart, Florida 34997

Attorney General
Department of Legal Affairs
The Capitol
Tallahassee, Florida 32304

Mr. Steve Hale
St. Lucie Nuclear Plant
Florida Power and Light Company
6351 South Ocean Drive
Jensen Beach, Florida 34957-2000

Mr. Alan P. Nelson
Nuclear Energy Institute
1776 I Street, N.W., Suite 400
Washington, DC 20006-3708
APN@NEI.ORG

David Lewis
Shaw Pittman, LLP
2300 N Street, N.W.
Washington, D.C. 20037

**MEETING AND TELEPHONE CONFERENCE WITH
FLORIDA POWER AND LIGHT COMPANY
ST. LUCIE, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION**

March 5 and 10, 2003

The Nuclear Regulatory Commission (NRC) staff met with representatives of the Florida Power and Light Company (FPL or the applicant) on March 5, 2003, and participated in a telephone conference on March 10, 2003, to discuss the applicant's draft responses to the staff's safety evaluation report (SER) with open items associated with the St. Lucie, Units 1 and 2, license renewal application (LRA). On the basis of the discussions, the staff was able to better understand the applicant's technical bases. No staff decisions were made during the meeting. In some cases, the applicant agreed to provide additional information.

The applicant plans to submit its responses to the SER open items by March 28, 2003. The staff will review the applicant's responses when they are received. A summary of the open items discussed and the applicant's proposed actions are presented below. The complete open items and draft responses from the applicant are available in Enclosure 3 of this meeting summary package.

Open Item 3.0.5.7-1, Fire Protection Pipe Wall Thinning Measurements

The staff and the applicant discussed the detection of fire protection piping wall thinning due to internal corrosion. The applicant's draft response supercedes in its entirety its previous response to the staff's request for additional information (RAI) B.3.2.8-3. The staff determined that no further information needs to be added to the draft response.

Open Item 3.0.5.10-1, Use of Leakage Detection/Intake Cooling Water Leakage Monitoring

The staff and the applicant discussed the adequacy of the Systems and Structures Monitoring Program for managing loss of materials in the intake cooling water (ICW) system small bore piping that contained stagnant areas. Based on the discussion, the applicant agreed to provide the following information:

- Clarifications on operational experience of leakage in these pipes, the most susceptible flanges, and the inspection of the piping
- Structural integrity of susceptible small bore piping and flanges during seismic events
- How the leakage detection system is utilized to identify stress corrosion cracking for the chemical and volume control system

Open Item 3.1.1.2-1, Mechanical Closure Integrity - Stress Relaxation

The staff and the applicant discussed whether the loss of mechanical closure integrity is an applicable aging effect for stainless steel or carbon steel Non-Class 1 bolting materials as a result of stress relaxation. During the telephone conference, the applicant agreed to compare the technical information in the industry guidelines to the information in the FPL response. In addition, the applicant agreed to clarify why stress relaxation is an aging effect for Class 1 but not for non-Class 1 bolting. The applicant plans to revise its draft response by providing additional information with the specific technical basis for this open item.

Open Item 3.1.0.3-1, Small Bore Piping Aging Management Program, Risk Informed Methodologies

The staff and the applicant discussed the risk-informed methodologies for Small Bore Class 1 Piping Inspection aging management program. The applicant's draft response provided sufficient information. The staff determined that no further information needs to be added to the draft response.

Open Item 3.1.0.5.1, Reactor Vessel Surveillance Capsule

The staff and the applicant discussed the Reactor Vessel Surveillance Capsule Removal and Evaluation Subprogram. The applicant's draft response provided the updated capsule removal schedule. The staff determined that no further information needs to be added to the draft response.

Open Item 3.6.2.1-1, Fuse Holders

The staff and the applicant discussed aging management of the fuse holders. The staff requested that the applicant provide a commitment to comply with the interim staff guidance - (ISG) 5 on fuse holders when it is issued. The ISG-5, the identification and treatment of electrical fuse holders for license renewal, was issued on March 4, 2003. As a result, the applicant plans to revise its draft open item response to include additional information related to its Aging Management Review to address ISG-5.

Open Item 3.1.0.1-1, Alloy 600 Aging Management Program

The staff and the applicant discussed the implementation of future commitments associated with the primary water stress corrosion cracking (PWSCC) in Inconel materials (including Alloy 600 and Alloy 182/82 materials). The applicant's draft response to this open item provided these commitments. The staff determined that no further information needs to be added to the draft response.

Open Item 3.1.0.1-2, Alloy 182/82

The staff and the applicant discussed the St. Lucie Alloy 600 Inspection Program. This open item included commitments made to NRC Bulletin 2002-01 and NRC Bulletin 2002-02. In response to the NRC Order dated February 11, 2003, which established interim inspection requirements for reactor pressure vessel heads at pressurized water reactors, the applicant

agreed to provide a supplemental response to include visual examinations and other inspections associated with this program.

Open Item 3.1.2.2-1, Pressurizer Spray Nozzle Welds

The staff and the applicant discussed the pressurized surge and spray nozzle thermal sleeves, which are fabricated from Alloy 600 materials, and whether cracking in the sleeves could damage the nozzles. The applicant's draft response supercedes in its entirety its previous response to RAI 2.3.1-2. The response indicates that the thermal sleeves are not welded to the nozzles. The staff determined that no further information needs to be added to the draft response.

Open Item 4.6.4-1, Alloy 600 Nozzles, Plant Specific Report Review

The staff and the applicant discussed the plant-specific analysis of the small bore nozzles and Time Limited Aging Analysis (TLAA) on Alloy 600 half-nozzle repairs. The applicant's draft response to this open item provided updated information. The staff determined that no further information needs to be added to the draft response.

**LIST OF PARTICIPANTS
MEETING AND TELEPHONE CONFERENCE WITH
FLORIDA POWER AND LIGHT COMPANY
ST. LUCIE, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION**

March 5 and 10, 2003

NRC Staff Participants

Noel Dudley
Duc Nguyen
Stewart Bailey
Meena Khanna
James Medoff
Stephanie Coffin
Carolyn Lauron
Tilda Liu

Florida Power and Light Participants

Steve Hale
Tony Menocal

Enclosure 2