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EISENHUT,D.G. Division of Licensing

SUBJECT: Forwards response to NRC 810903 request for addl info re FSAR open items. SER can be issued.

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FLORIDA POWER & LIGHT COMPANY

September 15, 1981
L-81-407

Office of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit 2
Docket No. 50-389
Final Safety Analysis Report
Request for Additional Information on Open Items

Attached is Florida Power & Light Company's response to Mr. Robert L. Tedesco's September 3, 1981 request for information regarding St. Lucie Unit 2 open items. That request was received by FPL on September 9, 1981. On September 1, 2, and 3, 1981, FPL management, technical staff, and consultants, met with the NRC staff to reduce the number of open items identified at that time. The current status is indicated on the attached list. It is our understanding that the St. Lucie Unit 2 SER can now be issued.

FPL is committed to having cognizant staff available on a full time basis to resolve open items. When it has been required, FPL, Ebasco, and Combustion Engineering management and technical staff have attended meetings in Bethesda with less than 24 hours notice to resolve problems identified during the review. We feel that our effort to date has been responsive. Of course we welcome any suggestions you might have to improve this responsiveness.

Very truly yours,

Robert E. Uhrig

Robert E. Uhrig
Vice President
Advanced Systems & Technology

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REU/TCG/ah

Attachments

cc: J. P. O'Reilly, Director, Region II
Harold F. Reis, Esquire

ATTACHMENT

ST. LUCIE UNIT 2 STATUS OF ADDITIONAL

REQUESTS FOR INFORMATION FROM

THE NRC STAFF

Mechanical Engineering Branch

o Verif. funct. capability of Class 2 & 3 Aust. pipe bends & elbows

The requested information was submitted to the staff on 9/9/81 by FPL LTR #L-81-394.

o Justification of sufficient margin against buckling failure

The requested information was submitted to the staff on 9/1/81 by FPL LTR #L-81-381.

o IE Bulletin 79-02

The requested information in response to IEB 79-02 was initially submitted to the staff on 8/25/81 by FPL LTR #L-81-369. Additional information requested by the staff after review of this response will be submitted by 9/15/81.

o Periodic Testing of Pressure Isolation Valves - Program

The additional information requested in response to periodic testing of Pressure Isolation Valves is contained in FPL LTR #L-81-394 dated 9/9/81.

Geosciences Branch

o Plot of track lines across the "faulting" and the interpretation

Response to the requested information was submitted to the staff on 9/9/81 by FPL LTR #L-81-394.

Structural Engineering Branch

o Barrier design procedures (Duct. factors in excess of staff limits)

Response to the requested information was submitted to the staff on 9/3/81 by FPL LTR. #L-81-384.

Materials Engineering Branch

o Preservice Inspection Program

The PSI program was submitted to the NRC staff (M. Hum) at a meeting on 8/11/81. Meeting minutes discussing this program are contained in FPL LTR #L-81-362 dated 8/19/81.

Final responses on this issue were submitted by FPL letter #L-81-403 dated 9/14/81.

o Turbine Missiles

Partial response to this question has been submitted to the staff by FPL LTR. #L-81-394 dated 9/9/81. Final response to the turbine missile question will be submitted to the staff by 9/21/81.

Chemical Engineering Branch

o Organic Materials (6.1.6)

Response to the requested information was submitted to the staff on 8/25/81 by FPL LTR. #L-81-369.

Equipment Qualification Branch

o Environment Equipment Qualification Report

Confirmatory responses regarding the Environmental Equipment Qualification Report for PSL-2 will be submitted to the staff by 11/30/81.

o Seismic Equipment Qualification

Responses regarding the seismic equipment qualification for PSL-2 will be submitted by 11/30/81.

o Containment Purge Valves

Response to the requested information was submitted to the staff by FPL LTR #'s L-81-384 and L-81-394 dated 9/3/81 and 9/9/81, respectively.

Quality Assurance Branch

o Q-List Review

Response submitted to the staff on 9/11/81 by FPL LTR #L-81-396

- Commitment to conform to the guidance of:

  - R.G. 1.33, Rev. 2
  - R.G. 1.38, Rev. 2
  - R.G. 1.64, Rev. 2
  - R.G. 1.94, Rev. 1
  - R.G. 1.44, Rev. 1

  The response on the commitment to R. G. 1.94, Rev. 1 was submitted to the staff on 9/4/81 by FPL LTR #L-81-387. The response addressing the remaining regulatory guides was submitted on 9/11/81 by FPL LTR #L-81-398.

Siting Analysis Branch

- Current Population Distribution

  Response to the requested information was submitted to the staff on 8/27/81 by FPL LTR #L-81-371 and on 9/2/81 by FPL LTR #L-81-381A.

Auxiliary Systems Branch

- Fuel handling system (Light Loads)

  The information requested will be submitted to the staff by 10/5/81.

- Aux. feedwater flow requirements

  This item has been resolved as a result of RSB meeting with FPL on 9/1/81. Meeting minutes documenting resolution of this issue are contained in FPL LTR #L-81-381, dated 9/1/81.

Reactor Systems Branch

- Steam generator tube rupture with loss of offsite power accident anal. (15.3.3).

  The response to this request for additional information will be submitted to the staff by 9/30/81.

- Requirement for flow meters & low alarms on SI pump (15.3.4)

  This item has been resolved as a result of the RSB meeting with FPL on 9/1/81. Meeting minutes documenting resolution of this issue are contained in FPL LTR #L-81-381 dated 9/1/81.

- Pressurizer heater cut-offs

  This item has been resolved as a result of the RSB meeting with FPL on 9/1/81. Meeting minutes documenting resolution of this issue are contained in FPL LTR #L-81-381 dated 9/1/81

- Adequacy of containment sump (test results)

  This item remains a confirmatory issue pending completion of sump tests by FPL. Documentation regarding this issue is contained in Meeting Minutes submitted by FPL in LTR #L-81-381 dated 9/1/81. Final submittal by FPL will be at least 30 days prior to OL.

- Boron dilution accident

  Discussion on this issue is contained in the minutes of meeting submitted to staff on 9/1/81 by FPL LTR #L-81-381. FPL will submit final documentation on this issue 30 days prior to OL.

- Operation of charging pump suct. valve to RWT assuming loss of power

- Shaft seizure accident analysis

  Responses to the above items were discussed in the RSB meeting with FPL on 9/1/81. Documentation regarding these issues were provided in FPL LTR #L-81-381 dated 9/1/81.

- Anal. on core cooling following a break in shutdown cooling system

  Response to the above requested information is contained in the minutes of meeting between RSB and FPL on 9/1/81. Documentation is provided by FPL LTR #L-81-381 dated 9/1/81.

- Position on manual valve indication

  The requested information was submitted to the staff on 8/19/81 by FPL LTR #L-81-362.

- Endurance test results of HPSI pumps

  By minutes of meeting submitted to the NRC on 9/1/81 (FPL LTR #L-81-381) this item remains confirmatory. Data required to complete this item will be submitted by 11/15/81.

- Feedwater line break, single failure assumption

  The results of this analysis will be provided to the staff by 9/30/81. Documentation addressing discussion on this issue is contained in FPL LTR #L-81-381 dated 9/1/81.

- PORV inadvertent opening analysis

  The information required for this issue will be submitted by the time the PSL-2 Technical Specifications are provided. Documentation regarding this issue is contained in FPL LTR #L-81-381 dated 9/1/81.

- TMI Item II.K.3.2

  Response to this TMI item is contained in FPL LTR #L-81-381 dated 9/1/81. This item was discussed in the RSB/FPL meeting of 9/1/81.

Radiological Assessment Branch

- III.D.3.3 (In plant Iodine Instr.)

- Verification that instr. calibration program conforms to the guidance or R.G. 8.25.

- Verify airborne radioactivity monitors have capability to detect 10 MPC-hrs. of part. & iodine radioactivity.

- Verify area rad. monitoring system conforms with the guidance of R.G. 8.12.

  The responses to the above requests for information were submitted to the staff on 8/27/81 by FPL LTR #L-81-371.

Instrumentation & Control Systems Branch

- II.E.1.2 (Aux. feedwater auto. init. & flow ind.)

  The information requested on this issue was presented to the staff at meetings conducted during the week of 9/1 through 9/4. Documentation of the results is provided by FPL LTR #L-81-384 dated 9/3/81.

- Equip. protection trip

  The information requested on this issue was presented to the staff at meetings conducted during the week of 9/1 through 9/4. Documentation of the results is provided by FPL LTR #L-81-384 dated 9/3/81.

- Bypass of Plt. syst. trip channel

  This item was closed after discussion between FPL and the staff during the week of 9/1 through 9/4. It still requires NRC action.

- Matrix power supply test results

  The information requested for this item was submitted to the staff by FPL letter #L-81-403 dated 9/14/81.

- Reactor coolant leak detection syst.

  The information requested on this issue was presented to the staff at meetings conducted during the week of 9/1 through 9/4. Documentation of the results is provided by FPL LTR L-81-384 dated 9/3/81.

o Basis for differences between St. Lucie 1 & 2

The information requested on this issue was presented to the staff at meetings conducted during the week of 9/1 through 9/4. Documentation of the results is provided by FPL LTR #L-81-384 dated 9/3/81.

Power Systems Branch

o Starting voltage for 460V ESF motor

The information requested on this issue was submitted to the staff on 9/8/81 by FPL LTR #L-81-389.

Accident Evaluation Branch

o Containment sump pH

The requested information was submitted to the staff on 8/27/81 by FPL LTR #L-81-371.

Core Performance Branch

o Supplemental ECCS calc.

The requested information was discussed with the staff at a meeting on 9/2/81. Documentation was provided by FPL LTR #L-81-384, dated 9/3/81.

o Combined Seismic & LOCA loads

The requested confirmatory information will be submitted to the staff by 5/82.

o Fuel rod bowling

The requested information was discussed with the staff at a meeting on 9/2/81. Documentation was provided by FPL LTR #L-81-384, dated 9/3/81.

o Miscellaneous Calculations

This issue was discussed with the staff at a meeting on 9/2/81. Results are documented by FPL LTR #L-81-384 dated 9/3/81.

Responses to outstanding items were submitted to the staff on 9/14/81 in FPL Letter #L-81-403.

Procedures and Test Review Branch

o Op. & Main Proc. (includes I.C. Tasks)

The information requested on this issue will be submittal to the staff by 9/18/81.

o ATWS (15.2.1)

The information requested on this issue will be submitted to the staff by 9/21/81.

Physical Security Licensing Branch

o Physical Security Plan

Additional information requested for this issue was submitted to the staff on 9/11/81 by FPL LTR #L-81-391.

Emergency Preparedness Licensing Branch

o Emergency Plan (III.A.1.1, III.A.2)

The information requested was submitted to the staff on 9/1/81 by FPL LTR #L-81-381.

o III.A.1.2 (EOF)

FPL has reviewed submittal on this topic and is in the process of revising its position to be in accordance with the NRC branch position. Submittal will be provided by 10/1/81.