LOUISIANA POWER & LIGHT / 317 BARONNE STREET • P. O. BOX 60340
NEW ORLEANS, LOUISIANA 70160 • (504) 595-3100
MIDDLE SOUTH UTILITIES SYSTEM

August 22, 1986

W3P86-1959
A4.05
QA

Mr. J.E. Gagliardo
Chief, Reactor Projects Branch, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

SUBJECT: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
IE Bulletin 85-03 Supplemental Information

REFERENCES: (1) LP&L letter W3P86-0076 dated May 14, 1986, K.W. Cook to R.D. Martin, NRC Region IV.

(2) NRC Region IV letter J.E. Gagliardo (NRC) to G.W.Muench (LP&L) dated July 23, 1986.

Dear Mr. Gagliardo:

By reference 1 LP&L submitted its response to IE Bulletin 85-03, "Motor-Operated Valve Common Mode Failures During Plant Transients Due to Improper Switch Settings". Your response in reference 2 requested supplemental information describing the LP&L program to address IE Bulletin 85-03. Attached please find the requested information.

Should you require further information on this matter, please feel free to contact Mike Meisner at (504) 595-2932.

Yours very truly,

K.W. Cook
Nuclear Support & Licensing Manager

KWC:MJM:ssf

Attachment

cc: R.D. Martin, NRC Region IV
G.W. Knighton, NRC-NRR
J.H. Wilson, NRC-NRR
NRC Resident Inspectors Office
W.M. Stevenson
B.W. Churchill

86-973

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Description of LP&L Program to Address IE Bulletin 85-03

LP&L has instituted an internal program to address the requirements of IE Bulletin 85-03. The program is implemented through an MOV Working Group consisting of engineers from key Nuclear Operations groups.

The following summary reflects the current status of the MOV Program. Because the program is intended to be a living document, it is expected to change in the future to reflect new information and changing circumstances.

MOV Program Summary

1. The design basis for the operation of the MOVs within the scope of IE Bulletin 85-03 has been determined. This documentation took into consideration the maximum differential pressure expected during opening and closing the valves for both normal and abnormal events to the extent that these valve operations and events are included in the existing, approved design basis. This data was submitted to the NRC in LP&L letter W3P86-0076 dated May 14, 1986.

2. The data obtained in Step 1, along with system design and operating philosophy, will be utilized to determine (via calculations) the thrust load/valve requirements for the affected EFW/HPSI MOVs. The thrust load/valve requirements will then be utilized to determine the applicable switch settings.

3. The torque bypass limit switch wiring shall be reviewed/revised, as necessary, such that the torque bypass limit switch and the open/close limit indicating switch are on separate rotors. This task is scheduled to begin during the Cycle 1 refueling outage.

4. The MOVs within the scope of IE Bulletin 85-03 shall be stroke tested under maximum differential pressure utilizing Motor Operated Valve Analysis and Test Systems (MOVATS) to determine the switch as-found and as-left condition. The as-found and as-left limit switch settings shall be documented. The maximum differential pressure testing will be conducted during outages of sufficient duration to support the testing. It is anticipated that testing will begin during the first refueling outage. If a valve cannot be tested at the maximum differential pressure, alternate testing means will be evaluated.

5. The final switch settings shall be documented and maintained in a controlled document for the life of the plant. Applicable procedures impacted by this bulletin shall be revised to reflect the LP&L MOV Test Program.

6. The final report will be submitted to the NRC by January 15, 1988.