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 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 WOODY, C. O. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 McDONALD, D. G. PWR Project Directorate 2

SUBJECT: Forwards schedule for completion of open human engineering discrepancies listed in Section 3 & App 6B of B60401 DCRDR supplemental summary rept. Long-term plant change & mod program for control room will begin by 871231.

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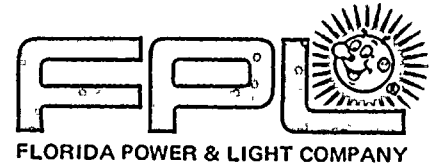
ACCESSION NBR: 880908004 DOC DATE: 880903 NOTARY: J. MO
 FACIL: 50-520 Turkey Point Plant, Unit 3, Florida Power and Light C 00000250
 50-521 Turkey Point Plant, Unit 4, Florida Power and Light C 00000251
 AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIPIENT AFFILIATION: L-1 Project Directorate S
 PERSONAL ID: D. G.
 NAME: WOODY, G. O.
 TITLE: PROJECT DIRECTOR

SUBJECT: Forwarded schedule for completion of open human engineering
 discrepancies listed in Section 3 & App B of 880901 NCRDR
 supplemental summary report. Long-term plant change & non
 program for control room will begin by 8/1/81

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SEP 3 1986

L-86-341

Office of Nuclear Reactor Regulation
Attention: Mr. D. G. McDonald, Project Manager
PWR Project Directorate #2
Division of PWR Licensing - A
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555


Dear Mr. McDonald:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Detailed Control Room Design Review (DCRDR)
NURG-0737, Item I.D.1
Supplemental Summary Report
NRC TAC Nos. 59178 and 59179

Florida Power & Light Company (FPL) submitted the Turkey Point DCRDR Supplemental Summary Report to the NRC on April 1, 1986 (FPL letter L-86-145). Section 3 and Appendix 6B of that document listed several open human engineering discrepancies (HED's). In response to your request, the schedule for completion of these HED's is attached. The long term plant change and modification (PC/M) program for the control room was briefly outlined in Section 8. It is our intention to implement this program by December 31, 1987. We will inform you of any changes to these schedules.

If you have any questions about the attached information, please call us.

Very truly yours,


C. O. Woody
Group Vice President
Nuclear Energy

COW/TCG/gp

Attachment

cc: Dr. J. Nelson Grace, Region II, USNRC
Harold F. Reis, Esquire

A003
11

TCG5/023/1

8609080044 860903
PDR ADOCK 05000250
P PDR

SUPPLEMENTAL REPORT - SECTION 3

The status and completion schedules of the open items from the Task Analysis listed in Section 3 of the Supplemental Summary Report are listed below.

- TA-1 Scale Section Auxiliary Feedwater Flow
- Completed - The procedures have been revised to have operator read flow to each steam generator.
- TA-2 No Flow Indication: CCW Flow to Seal Water Heat Exchanger
- Completed - The procedures have been revised to have operator verify CCW pump running and CCW surge task level normal.
- TA-16 Completeness of Information: CCW Flow to Excess Letdown Heat Exchanger
- Completed - The procedures have been revised to have operator verify CCW flow to the excess letdown heat exchanger by ensuring that CV-3-739 or CV-4-739 is open.
- TA-25 Completeness of Information: Excess Letdown Flow
- Completed - The procedures have been revised to have the operator verify delta T across the excess letdown heat exchanger.
- TA-32 Scale Selection, Required Precision
- Estimated - The setpoints listed in the EOP's were taken directly from the Westinghouse setpoint document. Therefore further engineering study is required before FPL can resolve the issue of using a different meter or changing the setpoint to 230 psig..
- Completion
6/1/87
- TA-44 Necessary Controls not in Control Room: Instrument Air Compressor
- Complete - Procedures have been revised to have the field operator make sure the diesel generators are started after the loss of offsite power.
- TA-3 Information Missing from Display: Containment Sump Level
- Estimated - The proper units will be added to the display.
- Completion
30 days after
new labels are received
- TA-4 Scale Markings - Use of Graduations: Containment Sump Level
- Estimated - The graduation markings will be changed.
- Completion
30 days after
new labels are received

TA-5

Indication Scale Values: Containment Pressure

Estimated - The scale range will be changed.
Completion
30 days after new
labels are received

TA-7

Scale Compatibility: Steam Header Pressure, SG Pressure

Estimated - The scales will all be changed to increments of 20 psig.
Completion
30 days after new
labels are received

TA-12

Information Missing from Display: Letdown Relief to
Pressurizer Relief Tank Temperature

Estimated - The proper units °F will be added to the display.
Completion
30 days after new
labels are received

TA-17

Selector Controls: Reactor Makeup Selector

Estimated - A new label will be installed cannot be rotated out of position.
Completion
1/1/87

TA-38

Design and Use of Legend Light Indicators:
SI Permissives

Estimated - The messages will be re-engraved.
Completion
6/1/87

TA-34

Usability of Display Values: Radiation Monitors
Short Term

Completed - The Off Normal Operating Procedure curves for the gas monitors that convert display values to micro-curies per cc have been placed in the control room.

Estimated - The liquid monitors display cpm, but the Tech. Spec. release rates are in micro-curies per cc. The Chemistry-Radiation Department will provide guidance to the operators.
Completion
6/1/87

Long Term

- The radiation monitoring system is being studied for replacement. Presently a cost estimate has been prepared. The new monitors will be specified to read out in

TA-39

Logical Arrangement and Layout: RCS Vents

Estimated - The valves will be renumbered and relabeled.
Completion
End of next
refueling outage
for each unit

TA-40

Controls with Unused Labeled Switch Positions

Estimated
Completion
6/1/87

- The four switch positions not used by the operators have been used by reactor engineering. FPL will determine the continued impudence of these switch positions and delete if necessary.

Supplemental Report Appendix 6B

The status and completion schedules of the open items listed in Appendix 6B of the Supplemental Summary Report are listed below.

Finding 6.1 #20

Estimated Completion 6/1/88 - Area radiation monitoring inputs will be added to SAS.

Finding 6.1 #24

Completed - Unit 4 Demarcation drawings approved.

Completed - Unit 3 Demarcation drawings approved.

Estimated Completion 1/1/87 - Unit 4 Demarcation will be implemented.

Estimated Completion 1/1/87 - Unit 3 Demarcation will be implemented.

Finding 6.1 #30

Estimated Completion 10/1/86 - Light Test scheduled.

Estimated Completion 11/15/86 - Recommend lighting improvements need to coordinate with noise study.

Finding 6.1 #32

Complete - Noise survey made with one unit operating and one unit shutdown.

Estimated Completion 10/15/86 - Conduct noise survey with both units operating.

Estimated Completion 11/15/86 - Develop schedule to implement recommended noise and light improvements.

Finding 6.1 #XI

Estimated Completion 1/1/87 - Modify operators desk to correct phone reach problem.

Finding 6.1 #X2

- Same correction as Finding 6.1 #30

Finding 6.2 #6

- Complete
- The page phone has been limited for use by the operators and the problem has been resolved.

Finding 6.3 #2, #5, #6, #7, #11, #12, #15, #16,
#17, #19, #21, #X1, & #X2

- Three annunciator hardware modifications are being studied to correct the problems. These systems are listed below.
 1. Use the present system. Reingrave the windows and use color coding. Change setpoints and make minor logic changes to eliminate nuisance alarms.
 2. Design and install a new annunciator system with a total of 1400 windows.
 3. Design and install a new annunciator system using several CRT's about 200 priority one windows, and computer logic.

Estimated
Completion
1/1/87

- The cost benefit study should be finished and one of the three methods chosen.

Estimated
Completion
1/1/88

- The engineering of the selected system should be complete.
- The construction schedule can not be estimated until the desired method is selected and the engineering work is estimated.

Finding 6.4 #20

- Estimated
Completion
End of next re-
fueling outage
for each unit
- The switches will be rewired.

Finding 6.4 #21

- Estimated
Completion
End of next re-
fueling outage
for each unit
- The switches will be rewired.

Finding 6.4 #22

- Estimated
Completion
End of next re-
fueling outage
for each unit
- The switch will be rewired.

Finding 6.4 #29

Estimated
Completion
1/1/87

- New knobs will be purchased.

Finding 6.5 #86

Complete

- Labels have been installed.

Finding 6.5 #X4

Complete

- The SI status indication lights have been modified to "Bright Is Right" convention.

Finding 6.6 #3

Estimated
Completion
1/1/87

- Labels have been ordered.

Finding 6.6 #18

- Same correction as Finding 6.1 #24

Finding 6.6 #36

Estimated
Completion
1/1/87

- Labels have been reordered.

Finding 6.7 #18

Estimated
Completion
6/1/88

- This is an ongoing correction problem and will continue up to the complete installation of SAS.

Finding 6.7 #20

Estimated
Completion
6/1/88

- This is an ongoing development program and will continue up to the complete installation of SAS.

Finding 6.8 #5

- See correction to Finding 6.1 #24.

Finding 6.8 #7

- See correction to Finding 6.1 #24