

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9203050221 DOC. DATE: 92/01/14 NOTARIZED: NO DOCKET #
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 PLUNKETT, T.F. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards summary of items completed during dual unit outage.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6
 TITLE: OR Submittal: General Distribution

NOTES: NRR RAGHAVAN, L 05000250
 NRR RAGHAVAN, L 05000251

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD2-2 LA	1 1	PD2-2 PD	1 1
	AULUCK, R	2 2		
INTERNAL:	NRR/DET/ECMB 7D	1 1	NRR/DET/ESGB	1 1
	NRR/DOEA/OTSB11	1 1	NRR/DST 8E2	1 1
	NRR/DST/SELB 7E	1 1	NRR/DST/SICB8H7	1 1
	NRR/DST/SRXB 8E	1 1	NUDOCS-ABSTRACT	1 1
	OC/LFMB	1 0	OGC/HDS3	1 0
	RES FILE 01	1 1	RES/DSIR/EIB	1 1
EXTERNAL:	NRC PDR	1 1	NSIC	1 1
NOTES:		1 1		

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 19 ENCL 17



JAN 14 1992

L-91-335

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Summary of Items Completed
During the Dual Unit Outage

Florida Power and Light's Turkey Point Units 3 and 4 completed the implementation of many NRC commitments during the extended outage for both units, referred to as the Dual Unit Outage (DUO). Attached please find a summary of the items which were completed during the DUO.

Should there be any questions, please contact us.

Very truly yours,

T. F. Plunkett
Vice President
Turkey Point Nuclear

TFP/OIH

enclosure

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

9203050221 920114
PDR ADCK 05000250
PDR

ADD 1/1

ATTACHMENT 1
TO I-91-335

o **Generic Letter 89-13: Service Water System Problems Affecting Safety Related Equipment** (Tac Nos. 74076, 74077)

By letter L-90-29 dated January 30, 1990, Florida Power & Light Company (FPL) submitted its response to Generic Letter (GL) 89-13, "Service Water System Problems Affecting Safety-Related Equipment." FPL has completed all the inspections, analyses, system modifications and procedure updates as committed to in L-90-29 with the exception of the chemical injection program implementation for Turkey Point Unit 4. FPL's response to Recommended Action III stated that a chemical injection program had been implemented on the Turkey Point Unit 3 Component Cooling Water (CCW) heat exchangers and that the same program would be implemented on the Unit 4 CCW heat exchangers. The Turkey Point Unit 3 chemical injection program was suspended in February 1991 due to the stress corrosion cracking and inlet erosion/corrosion which was observed during the recent inspection of the Unit 3 CCW heat exchangers. The Turkey Point Unit 4 chemical injection program implementation has also been suspended. Turkey Point is evaluating modifications to the chemical injection program as well as other means of assuring CCW heat exchanger cleanliness (including the current mechanical cleaning method). Evaluation of the Unit 3 chemical injection program is expected to be completed by the end of the next refueling outage for Unit 3 which is currently scheduled to start in August, 1992. In accordance with GL 89-13 requirements, the Units 3 and 4 CCW heat exchangers will continue to be monitored and mechanically cleaned according to existing technical specifications and procedures.

o **NRC Bulletin 90-01: Loss of Fill-Oil in Transmitters Manufactured by Rosemount** (Tac Nos. 76625, 76626)

By letter L-90-266, dated July 18, 1990, FPL provided its response to NRC Bulletin 90-01, "Loss of Fill-Oil in Transmitters Manufactured by Rosemount." The bulletin required identification of certain Rosemount transmitters which were being utilized in the reactor protection system (RPS), engineered safety features actuation system (ESFAS), or systems installed in accordance with 10 CFR 50.62 (the ATWS rule). FPL identified ten transmitters subject to the bulletin as being installed at Turkey Point. Replacement of the sensor cells or complete transmitters for the ten transmitters identified by L-90-266 was completed during the DUO. There are no other scheduled commitments related to Bulletin 90-01. In accordance to FPL's response to Reporting Requirement 2 of the bulletin, any Rosemount transmitters which in the future exhibit symptoms of loss of fill-oil or are confirmed to have experienced a loss of fill-oil will be reviewed for reportability under existing NRC regulations.

o **Regulatory Guide 1.97 Commitment - Area Radiation Monitoring System (ARMS) (Integrated Schedule Item No. 341)**

By letter L-90-374, dated October 26, 1990, FPL informed the NRC that the installation of a new, separate, non-qualified ARMS would be completed during the DUO. Installation of the upgraded ARMS system was completed as scheduled. By letter L-91-259 dated September 24, 1991, "Turkey Point Units 3 and 4 Docket Nos. 50-250 and 50-251, Integrated Schedule 6-Month Regulatory Report," documented the completion of I/S item No. 341.

o **Anticipated Transient Without Scram (ATWS) (Tac Nos. 65032, 65033, Integrated Schedule Items Nos. 68, 587)**

By letter L-87-292, dated July 15, 1987, FPL provided the Turkey Point Plant specific design information of the ATWS Mitigation System Actuation Circuitry (AMSAC) in response to the requirements specified in paragraph (c)(1) of 10CFR 50.62. FPL also informed the NRC that implementation of these modifications had been incorporated into the Integrated Schedule for the Turkey Point Plant as items 68 and 587. ATWS modifications designed to automatically initiate the auxiliary feedwater system and a turbine trip under conditions indicative of an ATWS, were completed during the DUO for both Turkey Point Units 3 and 4. By letter L-91-259 dated September 24, 1991, "Turkey Point Units 3 and 4 Docket Nos. 50-250 and 50-251, Integrated Schedule 6-Month Regulatory Report," documented the completion of these two I/S items. The human-factors engineering review and isolation device qualification testing discussed in NRC's safety evaluation of Turkey Point's proposed ATWS mitigation design (NRC letter dated May 19, 1988) have also been completed. This completes all ATWS related commitments for Turkey Point.

o **Generic Letter 88-17: Loss of Decay Heat Removal (DHR) (Tac Nos. 69787, 69788)**

By letter L-89-37, dated February 1, 1989, FPL provided its response to GL 88-17 and stated that the implementation of hardware modifications designed to provide reliable indication of Reactor Coolant System and DHR system conditions would be completed by the end of the DUO for Turkey Point Unit 4. The Turkey Point Unit 3 hardware modifications were scheduled to be completed by the end of the cycle 13, 1992 refueling outage. All the hardware modifications committed to for both Units 3 and 4 were completed during the DUO. Per NRC letter dated November 7, 1990, completion of the hardware modifications for both Units 3 and 4 completes all the GL 88-17 required actions for Turkey Point Units 3 and 4.

- o **NUREG 0737 Task Action Plan Item II.D.1, Performance Testing of Relief and Safety Valves MPA F-14 (Tac Nos. 44626, 44627)**

NRC letter dated August 30, 1989 provided NRCs safety evaluation of FPLs responses related to NUREG 0737 Task Action Plan Item II.D.1. The NRC stated that FPL must assure acceptability of the maximum analyzed bending moment applied to the safety and relief valves. By letter L-89-212, dated June 16, 1989, FPL notified the NRC that the maximum analyzed bending moments for the Turkey Point safety relief valves were below the bending moments considered to be acceptable for postulated loads, as provided by EPRI. However, the maximum analyzed bending moment for the PORVs were found to exceed the EPRI defined acceptable bending moments. Therefore, as recommended by the NRC in the referenced letter, FPL committed to perform the necessary piping configuration modifications to reduce the bending moment to values less than those shown to be acceptable by EPRI. The required piping modifications were completed for both Turkey Point Unit 3 and 4 during the DUO. With the completion of this item, all items related to NUREG 0737 Task Action Plan Item II.D.1 are complete.

- o **Generic Letter 89-06: NUREG 0737 Task Action Plan Item I.D.2, Safety Parameter Display System (SPDS)**

By letter L-89-323, FPL committed to complete all the hardware and software modifications and additional training necessary to fully meet the NUREG 0737, Supplement 1 requirements for SPDS, by the end of the DUO. All activities related to NUREG 0737 Task Action Plan Item I.D.2 have been completed as scheduled. There are no other FPL actions required by GL 89-06.

- o **NRC Bulletin No. 88-08: Thermal Stresses in Piping Connected to Reactor Coolant Systems (Tac Nos. 69700, 69701)**

NRC letter dated September 23, 1991 provided NRCs evaluation of FPLs response to NRC Bulletin 88-08 and concluded that FPL had met all the requirements of Bulletin 88-08. Beyond the scope of the requirements of the bulletin, per letter L-90-226, dated June 19, 1990, FPL committed to perform a second non-destructive examination (NDE) of piping identified under consideration per NRC Bulletin 88-08 for Turkey Point Units 3 and 4. The NDEs were scheduled to be performed during the next refueling outage for each unit. The Turkey Point Unit 4 NDE was scheduled to be performed during the DUO. The NDE was completed as scheduled for Turkey Point Unit 4 and the results of the examination will be provided to the NRC as part of the In-Service Inspection Report. The NDE for Turkey Point Unit 3 will be performed during the next refueling outage currently scheduled to start in August, 1992.

o **Station Blackout (Tac Nos. 68618 and 68619)**

Per letter L-90-275 dated July 20, 1990, FPL committed to install the plant modifications designed to meet the requirements of the Station Blackout Rule (SBO) (10 CFR 50.63) at the Turkey Point Units, during the DUO. The modifications as described in FPL letter L-89-144, dated April 17, 1989 and FPL letter L-90-56, dated March 29, 1990, were completed. Also, all actions committed to during the FPL/NRC meeting of August 30, 1990 have been completed. This completes all SBO related commitments for Turkey Point.

o **Hydrogen Recombiner (NIR 50-250/251-90-13)**

Per letter L-90-263 dated July 16, 1990, FPL committed to obtain an agreement with other utilities for the use of an external recombiner and to bring the recombiner to the site and verify system operability prior to the end of the DUO. FPL has contracted with Duke Engineering to share the use of the hydrogen recombiner. The hydrogen recombiner was brought to the site, was installed on both Units 3 and 4 and was successfully tested and shown to be operable on Unit 3.

[illegible]