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 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
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 HARRIS, K.N. Florida Power & Light Co.
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SUBJECT: Special rept: on 900527, both standby feedwater pumps
 unavailable.

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JUN 19 1990

L-90-206

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

Gentlemen:

Re: Turkey Point Unit 3
Docket No. 50-250
Unit 3 Standby Feedwater Pumps Unavailability
Special Report (Technical Specification 3.20.1, Action 2.b)

On May 27, 1990, at 1300 EDT, Florida Power & Light discovered that both non-safety related standby feedwater pumps were unavailable for Turkey Point Unit 3. In accordance with the requirements of Technical Specification (TS) 3.20.1, Standby Feedwater System" and TS 6.9.3.j., a description of the cause of the unavailability and corrective actions taken to restore the system to operability is enclosed.

Should you have any questions please contact us.

Very truly yours,

K. N. Harris
Vice President
Turkey Point Plant - Nuclear

KNH/DRP/DPS/dps

attachment

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

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PDR ADDCK 05000250
S PDC

ATTACHMENT 1

1. Event Description:

On May 27, 1990, at 1300 EDT, with Unit 3 in Mode 2 (Start-up) at zero power, Florida Power & Light discovered that both standby feedwater pumps were unavailable for Turkey Point Unit 3. This condition was discovered while aligning the standby feedwater pumps to supply feedwater to the steam generators. Valve DWDS-3-012 (a non-safety related commercial grade valve) could not be opened due to a stem bushing failure. Since this valve is in the common discharge header for the standby feedwater pumps, both pumps were unavailable on Unit 3. The standby feedwater pumps were to be used while 3A steam generator feedwater pump (SGFP) was out of service for maintenance.

2. Cause:

Mechanical failure of a valve stem bushing on valve DWDS-3-012 (a non-safety related commercial grade valve) made the valve handwheel inoperable. Although no specific cause has been determined for the bushing failure, the failure is believed to have been caused by an over-stress condition on the bushing. No previous failures of this bushing were noted.

3. Corrective Actions:

Immediate attempts were made to locate a replacement for the failed bushing. When a replacement could not readily be obtained, a replacement bushing was manufactured on-site. After being approved as acceptable by engineering, the replacement bushing was installed. Valve DWDS-3-012 was successfully test operated and on May 31, 1990, at 1930 EDT, it was declared operable.

