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ACCESSION NBR:9012180226 DOC.DATE: 90/12/12 NOTARIZED: NO DOCKET #
 FACIL:50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251

AUTH.NAME AUTHOR AFFILIATION
 POWELL,D.R. Florida Power & Light Co.
 PLUNKETT,T.F. Florida Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 90-011-00:on 901113,containment spray pumps 4A & 4B
 placed out of svc in violation of Tech Spec 3.4.2.a.1.Pump
 4B had no oil in bearing oiler.Cause undetermined.Bearing
 oiler refilled w/oil.W/901212 ltr.

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L-90-414
10 CFR 50.73

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

Gentlemen:

Re: Turkey Point Unit 4
Docket No. 50-251
Reportable Event: 90-011-00
Date of Event: November 13, 1990
Technical Specification 3.0.1 Entry Due to Declaring Both
Containment Spray Pumps Out of Service

The attached Licensee Event Report is being provided pursuant to the requirements of 10 CFR 50.73 for notification of the subject event.

Very truly yours,

T. F. Plunkett
Vice President
Turkey Point Plant Nuclear

KNH/DRP/MKA/mka

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

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PDR ADOCK 05000251
S PDR

an FPL Group company

17.00

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 4										DOCKET NUMBER (2) 0 5 0 0 0 2 5 7					PAGE (3) 1 OF 4			
TITLE (4) Technical Specification 3.0.1 Entry Due to Declaring Both Containment Spray Pumps Out of Service.																		
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)								
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)					
1	1	3	9	0	9	0	0	1	2	1	2	9	0	0	5	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																
1		20.402(b)				20.405(a)				80.734(2)(iv)				73.718(i)				
POWER LEVEL (10)		1 0 0				20.405(a)(1)(i)				80.734(2)(v)				73.714(i)				
		20.405(a)(1)(ii)				80.734(2)(vi)				80.734(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 308A)				
		20.405(a)(1)(iii)				80.734(2)(viii)				80.734(2)(ix)								
		20.405(a)(1)(iv)				80.734(2)(x)				80.734(2)(xi)								
		20.405(a)(1)(v)				80.734(2)(xii)				80.734(2)(xiii)								
LICENSEE CONTACT FOR THIS LER (12)																		
NAME David R. Powell, Licensing Superintendent										TELEPHONE NUMBER								
										AREA CODE								
										3 0 5		2 4 6 - 6 5 5 9						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																		
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC								
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR		
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO						

ABSTRACT (Limit to 1600 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On November 13, 1990, Unit 4 was in Mode 1 (power operation) at 100 percent power. At 1915 EDT, containment spray pumps (CSPs) 4A and 4B were placed out of service. Technical Specification (TS) 3.4.2.a.2 requires that two CSPs be operable whenever the unit is critical. TS 3.4.2.b.2 allows one CSP to be taken out of service provided it is restored to operable status within 24 hours. The TS allows performing maintenance on one pump provided the other pump is tested for operability. Placing both CSPs out of service resulted in Unit 4 entering TS 3.0.1 which requires that within one hour after not meeting the Limiting Condition for Operation place the unit in Hot Standby within 6 hours. During operator rounds, at 1615, a Senior Nuclear Plant Operator reported to the Plant Supervisor Nuclear (PSN) that containment spray pump (CSP) 4B had no visible oil level in the bearing oiler. CSP 4B was declared out of service. Prior to performing maintenance on CSP 4B, CSP 4A was taken out of service to perform operability testing. This action rendered both CSPs out of service and TS 3.0.1 was entered. At 1945, TS 3.0.1 was terminated after CSP 4A was tested satisfactorily and declared back in service. The root cause for the low oil level in CSP 4B is undetermined. Eleven and one half ounces of lubricating oil was added to refill the oiler for CSP 4B.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		9 0	- 0 1 1	- 0 0	0	2	OF 0 4

TEXT (if more space is required, use additional NRC Form 306A's) (17)

I DESCRIPTION OF EVENT

On November 13, 1990, Unit 4 was in Mode 1 (power operation) at 100 percent power. At 1915 EDT, containment spray pumps (CSPs) 4A and 4B were placed out of service rendering the Containment Spray (CS) System. (EIIIS System Code: BE, Component Code: P) incapable of performing its intended safety function. Technical Specification (TS) 3.4.2.a.2 requires that two CSPs be operable whenever the unit is critical. TS 3.4.2.b.2 allows one CSP to be taken out of service provided it is restored to operable status within 24 hours. The TS allows performing maintenance on one pump provided the other pump is tested for operability. Placing both CSPs out of service resulted in Unit 4 entering TS 3.0.1 which requires that within one hour after not meeting the Limiting Condition for Operation (LCO), to place the unit in Hot Standby within 6 hours.

At 1615, during operator rounds, a Senior Nuclear Plant Operator (SNPO) (non-licensed nuclear plant operator) reported to the Plant Supervisor Nuclear (PSN) that containment spray pump (CSP) 4B had no visible oil level in the bearing oiler. The PSN declared the pump out of service at this time. As a precautionary measure to prevent possible equipment damage, the breaker for CSP 4B was deenergized. In accordance with TS 3.4.2.b.2 prior to performing maintenance on CSP 4B, CSP 4A has to be tested for operability. At 1915, in preparation for the operability test, CSP 4A was declared out of service after manual discharge valve 4-891A was closed in accordance with procedure 4-OSP-068.2, "Containment Spray Pump Inservice Test."

This action rendered both CSPs out of service. TS 3.4.2.b.2 was no longer satisfied resulting in TS 3.0.1 being entered. At 1945, TS 3.0.1 was terminated after CSP 4A was tested satisfactorily and declared back in service. Unit 4 was in TS 3.0.1 for only 30 minutes. Maintenance work commenced on CSP 4B. Eleven and one half (11.5) ounces of lubricating oil was added to refill the oiler for CSP 4B. After adding oil to the oiler, the pump was run for 15 minutes with no oil leakage observed. At 2220, the 24 hour LCO was terminated when CSP 4B was declared back in service after post maintenance testing was completed in accordance with administrative procedure 190.28 "Post Maintenance Testing."

As a common work practice, the SNPOs check and verify the oil level for the CSPs. If a low oil condition is identified, the SNPO contacts the watch engineer who in turn would notify the mechanical maintenance group to refill the oiler.

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TEXT (If more space is required, use additional NRC Form 388A's) (17)

The CSPs are part of the CS System. The CS System function following a Loss of Coolant Accident (LOCA) is to remove heat, pressure and airborne fission products from the containment atmosphere. The CS System is designed to ensure that containment pressure does not exceed the design value of 59 psig at 283 degrees fahrenheit.

Per 10CFR 50.72(B)(2)(iii)(D) at 2024, the NRC Operations Center was notified of this significant event.

II CAUSE OF EVENT

After CSP 4B was removed from service, TS 3.4.2.b.2 was followed resulting in CSP 4A being removed from service to establish its operability. Adherence to the TS placed Unit 4 in TS 3.0.1. The Revised Technical Specifications (RTS), already issued and soon to be implemented at the site, will not require testing to establish operability of the second CSP train prior to performing maintenance on the first CSP train, thus avoiding a unit entry into TS 3.0.3 (TS 3.0.1 in the existing Technical Specifications is TS 3.0.3 in the RTS).

The oiler, pump vent cap, pump drain plug, and oil seals were inspected; no evidence of excessive leakage was found. A test paper was placed under the oiler on November 14 at 1115 and removed on November 15 at 0715. One drop of oil was discovered. The oil was traced to the drain plug which had been removed following discovery of the low oiler level. Deconning and painting activities were being performed in the CSP area during the time frame when the low oiler level condition was discovered. Interviews with personnel conducting work in the area were performed along with a history check of the CSP to determine the cause for the low oiler condition. An extensive investigation of the low oil condition was performed and the root cause is undetermined. A past history check revealed no oil leakage problems. The pump vent cap was found to be properly vented.

III ANALYSIS OF EVENT

The Final Safety Analysis Report (FSAR) states in Section 6.3,

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TEXT (If more space is required, use additional NRC Form 306A's) (17)

"Emergency Containment Cooling and Filtering System," that adequate heat removal capability for the containment is provided by two separate, full capacity, engineered safety feature systems. These are the containment spray system, whose components are described in Section 6.4 and the emergency containment cooling system, whose components operate as described in Section 6.3.2. These systems are of different engineering principles and serve as independent backups for each other. The design basis for containment heat removal considers simultaneous operation of one spray pump and two of the three emergency containment coolers. This is the basis for containment pressure transient calculations in the FSAR, Section 14. However, the operation of either the spray pumps or two of the three emergency containment coolers will provide heat removal capability to maintain the post accident containment pressure below the design value. Based on the above, the health and safety of the public was not affected.

IV CORRECTIVE ACTIONS

- 1) The 4B CSP bearing oiler was refilled with eleven and one half ounces of oil.
- 2) Plant personnel were reminded (via the plant's "To the Point" newsletter) of the importance of exercising caution when working near plant equipment and to identify any events or conditions which may affect the equipment. This action was completed on December 7, 1990.

V ADDITIONAL INFORMATION

No LER reportable issues related to this event have been reported during the past two years.