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ACCESSION NBR:8809200147 DOC.DATE: 88/09/13 NOTARIZED: NO DOCKET #
 FACIL:50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH.NAME AUTHOR AFFILIATION
 JEFFRIES,C. Carolina Power & Light Co.
 WATON,R.A. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 88-024-00:on 880812,entry into Mode 6 w/o performing
 TS surveillance requirements on source range detectors.
W/8 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:Application for permit renewal filed. 05000400

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EXTERNAL:	EG&G WILLIAMS,S	4 4	FORD BLDG HOY,A	1 1
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A/10 4 cc

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Shearon Harris Nuclear Power Plant - Unit One	DOCKET NUMBER (2) 0 5 0 0 0 4 0 0	PAGE (3) 1 OF 0 3
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TITLE (4)
Entry Into Mode 6 Without Performing Technical Specification Surveillance Requirements On Source Range Detectors

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)
0	8	12	8	8	0	0	9	13			0 5 0 0 0
0	8	12	8	8	0	0	9	13			0 5 0 0 0

OPERATING MODE (9) 6	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 0 0	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.38(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)						
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)							
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)							
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)							

LICENSEE CONTACT FOR THIS LER (12)

NAME Cathy Jeffries - Specialist - Regulatory Compliance	TELEPHONE NUMBER 9 1 9 3 6 2 - 2 6 9 5
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14) <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

ABSTRACT

The plant was at 0 percent power in Mode 5, Cold Shutdown, on August 12, 1988, with the Reactor Coolant System temperature at 100°F.

Technical Specification Surveillance Requirement (TS) 4.9.2.c requires an analog channel operational test be performed at least once per seven days on each of two Source Range Neutron Flux Monitors (EIS:IG) while in Mode 6. At 2259 hours, the plant entered Mode 6, Refueling, when the reactor vessel head closure bolts were detensioned. Two Maintenance Surveillance Tests (MSTs) which verify operability of the Nuclear Instrumentation Source Range Monitors and are required to satisfy TS 4.9.2.c were not performed prior to entering Mode 6, thereby, violating technical specification requirements. On August 15, 1988, the Maintenance Foreman and Operations Shift Foreman discussed the requirements for running these surveillance tests and agreed they should have been performed prior to entry into Mode 6. By 1645 hours, both MSTs had been performed satisfactorily.

The cause of the event was deficient planning and scheduling. These two surveillance tests had been unscheduled while the plant was operating due to the tests being Mode 6 requirements.

Corrective action includes automatically scheduling all surveillance tests, regardless of mode requirement or frequency, and printing schedule dates for routine reports to ensure the requirements are visible to all personnel responsible for performing surveillance tests.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Shearon Harris Nuclear Power Plant - Unit One	DOCKET NUMBER (2) 0 5 0 0 0 4 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR 8 8	SEQUENTIAL NUMBER - 0 2 4	REVISION NUMBER - 0 0			
							0 2 OF 0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

DESCRIPTION

The plant was at 0 percent power in Mode 5, Cold Shutdown, on August 12, 1988, with the Reactor Coolant System temperature at 100°F.

Technical Specification Surveillance Requirement (TS) 4.9.2.c requires an analog channel operational test be performed at least once per seven days on each of two Source Range Neutron Flux Monitors (EIIIS:IG) while in Mode 6, Refueling. TS 4.0.4 prohibits entry into an operational mode unless the surveillance requirements associated with the Limiting Condition of Operation have been performed within the specified interval or unless otherwise specified. Maintenance Surveillance Test (MST) -I0169, Nuclear Instrumentation Source Range N31 Operability Test, and MST-I0170, Nuclear Instrumentation Source Range N32 Operability Test, satisfy TS 4.9.2.c.

At 2259 hours, the plant entered Mode 6, when the reactor vessel head closure bolts were detensioned. Surveillance tests, MST-I0169 and MST-I0170 had not been performed as required prior to entering Mode 6, violating TS 4.0.4. At 0730 hours on August 15, 1988, Regulatory Compliance personnel were conducting a review of Mode 6 surveillance requirements. It was then discovered that these weekly tests had not been performed and the Maintenance Foreman responsible for performing the test was notified. At 1330 hours, the Maintenance Foreman and Operations Shift Foreman discussed the requirements for running these surveillance tests and agreed they should have been performed prior to entry into Mode 6. At 1600 hours, MST-I0169 was completed satisfactorily and at 1645 hours, MST-I0170 was completed satisfactorily.

CAUSE

Surveillance tests with a frequency of 72 hours or greater are automatically scheduled on the Surveillance Test Scheduling System. The surveillance procedure schedule is printed for a routine report based on the frequency of the test, i.e., if the frequency is weekly, the test will print on the schedule every week. MST-I0169 and MST-I0170 did not schedule automatically because Regulatory Compliance had previously removed them from the schedule. This was due to the tests being a Mode 6 requirement and it was undesirable to have those tests print on schedule for the long term the plant was not in Mode 6. Since they did not print out automatically, it was not readily apparent that the tests needed to be performed.

ANALYSIS

MST-I0050, Calibration of Nuclear Instrumentation System Source Range N31, had been performed satisfactorily in its entirety on August 7, 1988. This test satisfies the requirements of MST-I0169, therefore, source range monitor N31 was in compliance with the seven day requirement of TS 4.9.2.c when the plant entered Mode 6 on August 12, 1988. Source Range Monitor N32 had been tested

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 8	0 2 4	0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

ANALYSIS (continued)

on August 2, 1988, which is greater than seven days prior to entering Mode 6, thereby, making that monitor inoperable and putting the plant in TS Action Requirement 3.9.2.a. This action statement requires that all operations involving core alterations or positive reactivity changes be immediately suspended when one of the source range monitors is inoperable. The plant was in compliance with this requirement as there were no core alterations or positive reactivity changes in process. No safety consequences resulted from this event. This event is reportable in accordance with 10 CFR 50.73(a)(2)(i)(B) as a noncompliance with TS 3.9.2.a and 4.0.4.

CORRECTIVE ACTION

Surveillance tests with a frequency of 72 hours or greater, regardless of mode requirement, have been automatically scheduled on STSS and schedules will be printed for routine reports to ensure the requirements are visible to Operations personnel, Regulatory Compliance personnel, Maintenance personnel, and others responsible for performing surveillance tests.



Carolina Power & Light Company

HARRIS NUCLEAR PROJECT
P.O. Box 165
New Hill, NC 27562

SEP 13 1988

File Number: SHF/10-13510C
Letter Number: HO-880187 (0)

U.S. Nuclear Regulatory Commission
ATTN: NRC Document Control Desk
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1
DOCKET NO. 50-400
LICENSE NO. NPF-63
LICENSEE EVENT REPORT 88-024-00

Gentlemen:

In accordance with Title 10 to the Code of Federal Regulations, the enclosed Licensee Event Report is submitted. This report fulfills the requirement for a written report within thirty (30) days of a reportable occurrence and is in accordance with the format set forth in NUREG-1022, September 1983.

Very truly yours,

R. A. Watson
Vice President
Harris Nuclear Project

RAW:tbb

Enclosure

cc: Dr. J. Nelson Grace (NRC - RII)
Mr. B. Buckley (NRR)
Mr. W. H. Bradford (NRC - SHNPP)

MEM/LER-88-024/1/OS1

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