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ACCESSION NBR: 9307300104 DOC. DATE: 93/07/21 NOTARIZED: NO DOCKET #
FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
AUTH. NAME AUTHOR AFFILIATION
VERRILLI, M. Carolina Power & Light Co.
ROBINSON, W.R. Carolina Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 93-009-00: on 930622, TS occurred due to axial flux difference logging error. Counseled individuals & revised operations surveillance test 1070.W/930720 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3
TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Application for permit renewal filed. 05000400

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EXTERNAL:	EG&G BRYCE, J.H		2	2	L ST LOBBY WARD		1	1
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Carolina Power & Light Company

HARRIS NUCLEAR PLANT
P.O. Box 165
New Hill, North Carolina 27562

JUL 20 1993

Letter Number: HO-930126

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 93-009-00

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,

W. R. Robinson
General Manager
Harris Nuclear Plant

MV:cls

Enclosure

cc: Mr. S. D. Ebnetter (NRC - RII)
Mr. N. B. Le (NRC - PM/NRR)
Mr. J. E. Tedrow (NRC - SHNPP)

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9307300104 930721
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LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Shearon Harris Nuclear Plant-Unit #1	DOCKET NUMBER (2) 05000/400	PAGE (3) 1 OF 2
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TITLE (4) Technical Specification violation due to Axial Flux Difference logging error.

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 NAME	DOCKET NUMBER
6	22	93	93	-- 009 --	00	7	21	93	FACILITY NAME	DOCKET NUMBER 05000
									FACILITY NAME	DOCKET NUMBER 05000

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)									
POWER LEVEL (10) 100%	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)						
	20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)						
	20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER						
	20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	(Specify in Abstract below and in Text, NRC Form 366A)						
	20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)							
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)								

LICENSEE CONTACT FOR THIS LER (12)

NAME Michael Verrilli	TELEPHONE NUMBER (Include Area Code) (919) 362-2303
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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)				EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE).	X	NO					

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On June 21, 1993 at 0846, the plant process computer (Emergency Response Facility Information System - ERFIS) was declared inoperable to allow for a software upgrade modification. This rendered the Axial Flux Difference (AFD) Monitor inoperable. Technical Specifications (TS) require logging AFD hourly for the first 24 hours after declaring the AFD monitor inoperable and every 30 minutes thereafter. At 0900, Operators began hourly AFD logging per the AFD Operations Surveillance Test (OST-1070). At 0930 on June 22, the logging frequency was not changed to a 30 minute interval as required by the OST and TS. Instead, Operators continued to log AFD hourly until the error was detected at 2300 on June 23, 1993.

The cause of this event was personnel error on the part of the control room operators performing the manual AFD logging. Corrective actions include counseling the involved individuals, revising OST-1070 to require logging AFD at 30 minute intervals immediately upon declaring the AFD monitor inoperable, and disseminating information related to this event to other operations personnel.

This condition constitutes a TS violation and is being reported per 10CFR50.72(a)(2)(i)(b)

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
Shearon Harris Nuclear Plant Unit #1	05000/400	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 2
		93	009	00	

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

EVENT DESCRIPTION:

On June 21, 1993 at 0846, the plant process computer (Emergency Response Facility Information System - ERFIS) was declared inoperable to allow for a software upgrade modification (Plant Change Request PCR-6535). The ERFIS computer normally performs the Axial Flux Difference (AFD) Monitor function required by Technical Specifications (TS). With the AFD Monitor inoperable, TS surveillance requirement 4.2.1.1.b requires manual logging of AFD hourly for the first 24 hours and every 30 minutes thereafter. At 0900, June 21, 1993, operators initiated OST-1070 (AFD Operations Surveillance Test) and began taking hourly readings as required. Following 24 hourly readings the logging interval should have been changed to every 30 minutes starting with the 0930 reading on June 22, 1993. However, this increase in logging frequency did not occur and operators continued to manually log AFD hourly until the error was detected at 2300 on June 23, 1993.

CAUSE:

The cause of this event was personnel error on the part of the control room staff involved with performing the manual AFD logging. The change in surveillance frequency at 24 hours from hourly to every 30 minutes was a human factors issue that increased the potential for this error.

SAFETY SIGNIFICANCE:

There were no significant safety consequences as a result of this condition. Operators continuously monitored AFD throughout the period of time when the 30 minute interval should have been invoked and documented the readings hourly. These readings indicated that 100% power equilibrium conditions existed and that AFD was stable and within TS limits.

This condition constitutes a TS violation and is being reported per 10CFR50.72(a)(2)(i)(b). Previous AFD logging errors were reported in LER's 87-044 and 87-048. However, the cause of these events were different in that single AFD log entries were missed in both cases, due to operators being distracted by other evolutions.

CORRECTIVE ACTIONS:

1. The Reactor Operators that made the AFD logging error were counseled. This involved reemphasizing the need for attention to detail and strict procedural compliance and a review of the Tech Spec and procedural requirements related to this event.
2. OST-1070 was revised to require a thirty minute logging interval immediately upon declaring the AFD monitor inoperable, rather than switching from 60 to 30 minutes at the 24 hour point.

EIIS INFORMATION:

N/A