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ACCESSION NBR: 8907050440 DOC. DATE: 89/06/29 NOTARIZED: NO DOCKET #
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 SCHWABENBAUER, R Carolina Power & Light Co.
 RICHEY, R.B. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 89-010-00: on 890529, Tech Specs violation due to performing incorrect reactor coolant analysis. W/8 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: Application for permit renewal filed. 05000400

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	NRR/DEST/MTB 9H	1 1	NRR/DEST/PSB 8D	1 1
	NRR/DEST/RSB 8E	1 1	NRR/DEST/SGB 8D	1 1
	NRR/DLPQ/HFB 10	1 1	NRR/DLPQ/PEB 10	1 1
	NRR/DOEA/EAB 11	1 1	NRR/DREP/RPB 10	2 2
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Carolina Power & Light Company

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

JUN 2 9 1989

File Number: SHF/10-13510C
Letter Number: HO-890073 (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 89-010-00

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. B. Richey, Manager
Harris Nuclear Project

RBR:tbb

Enclosure

cc: Mr. R. A. Becker (NRR)
Mr. W. H. Bradford (NRC - SHNPP)
Mr. S. D. Ebnetter (NRC - RII)

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PDR ADCK 05000400
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MEM/LER-89-010/1/OS1

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1 DOCKET NUMBER (2) 0 5 0 0 0 4 0 0 PAGE (3) 1 OF 3

TITLE (4) TECHNICAL SPECIFICATION VIOLATION DUE TO PERFORMING THE INCORRECT REACTOR COOLANT ANALYSIS CAUSED BY PERSONNEL 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 NAMES		DOCKET NUMBER(S)										
0	5	29	8	9	0	1	0	0	0	6	2	9	8	9	0	5	0	0	0		

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																			
POWER LEVEL (10) 0 1 7 0	20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.406(c)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vi)	50.73(a)(2)(vii)(A)	50.73(a)(2)(vii)(B)	50.73(a)(2)(viii)	73.71(b)	73.71(c)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
									X											

LICENSEE CONTACT FOR THIS LER (12)
 NAME: R. SCHWABENBAUER, REGULATORY COMPLIANCE TECHNICIAN
 TELEPHONE NUMBER: 9 1 9 3 6 2 - 2 6 6 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)
 YES (If yes, complete EXPECTED SUBMISSION DATE) NO X
 EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

The plant was operating in Mode 1, Power Operation, at 100 percent reactor power on May 28, 1989. At 2300 hours, reactor power was being reduced by a rate of 15 percent an hour to 70 percent power in order to perform turbine valve testing.

Technical Specifications Table 4.4-4 requires an isotopic analysis of reactor coolant for iodine be performed at power changes of 15 percent or greater per hour, within 2-6 hours following the thermal power change. The sample was taken at 0300 hours on May 29, 1989; however, instead of performing an isotopic analysis for iodine as required, a boron analysis was performed. This incorrect analysis was discovered at 0730 hours on May 30, 1989, during routine review of surveillance test records by a foreman. Upon discovering that the wrong analysis had been performed another sample was obtained and analyzed at 0900 hours and found to be within acceptable limits.

The cause of the event was personnel error as the Technician performing the test failed to perform the required analysis. Corrective actions for this event was to complete the correct analysis for the sample, counsel the technician involved, and review the event with appropriate personnel. There were no safety consequences as a result of this event as isotopic analysis of reactor coolant prior to and subsequent to the event revealed no abnormal or unusual levels of any isotopes of iodine.

This event is being reported in accordance with 10CFR50.73(a)(2)(i)(B) as a Technical Specification violation.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 4 0 b	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 9	- 0 1 0	- 0 0	0 2	OF 0 3

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

DESCRIPTION:

The plant was operating in Mode 1, Power Operation, at 100 percent reactor power on May 28, 1989.

Technical Specification Table 4.4-4 Surveillance 4b requires an isotopic analysis of reactor coolant for iodine be performed between 2 and 6 hours following a Thermal Power change exceeding 15 percent of the Rated Thermal Power within a one hour period. At 2300 hours on May 28, 1989, reactor power was being reduced at a rate exceeding 15 percent an hour to 70 percent power in order to perform turbine valve (EIIS:SB) testing. A reactor coolant sample was taken at 0300 hours on May 29, 1989; however, a boron analysis was performed instead of the required isotopic analysis for iodine.

The performance of an incorrect analysis was discovered at 0730 hours by a foreman while doing routine review of surveillance test records. A reactor coolant sample was then taken and analyzed for iodine at 0900 hours on May 30, 1989, and found to be within acceptable limits.

CAUSE:

The cause of the event was personnel error as the Technician performing the test failed to perform the required analysis within the required time frame.

ANALYSIS:

There were no safety consequences as a result of this event. Isotopic analysis for iodine of reactor coolant are performed to determine if a reactor power change initiated on iodine spike in the reactor coolant. Subsequent analysis showed no abnormal or unusual levels of any isotopes of iodine.

This event is being reported in accordance with 10CFR50.73(a)(2)(i)(B) as a Technical Specification violation.

There have been no similar events reported.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 4 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 9	- 0 1 0	- 0 0	0 3	OF	0 3

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

CORRECTIVE ACTION:

1. The reactor coolant was analyzed for iodine isotopes and found to be acceptable.
2. The technician who performed the incorrect analysis has been counselled on the importance of carefully reading and adhering to procedural instructions.
3. The causes and implications of this event will be reviewed with the appropriate personnel.
4. A human performance evaluation will be performed on this event.