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 FACIL:50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH.NAME AUTHOR AFFILIATION
 JEFFRIES,C.K. Carolina Power & Light Co.
 RICHEY,R.B. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 88-002-02:on 880119,maint surveillance test not performed as required on radiation monitor.

W/8 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 5
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:Application for permit renewal filed.

05000400

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NRR/DOEA/EAB 11	1 1	NRR/DREP/RPB 10	2 2
NUDOCS-ABSTRACT	1 1	REG FILE 02	1 1
RES/DSIR/EIB	1 1	RES/DSR/PRAB	1 1
RGN2 FILE 01	1 1		
EXTERNAL: EG&G WILLIAMS,S	4 4	FORD BLDG HOY,A	1 1
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Carolina Power & Light Company

JUN 26 1989

Company Correspondence

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

File Number: SHF/10-13510C
Letter Number: HO-890062 (0)

U.S. Nuclear Regulatory Commission
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SHEARON HARRIS NUCLEAR POWER PLANT UNIT 1
DOCKET NO. 50-400
LICENSE NO. NPF-63
LICENSEE EVENT REPORT 88-002-01

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.

Revision 1 is being submitted due to a change in corrective action.

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 ADOCK 05000400
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MEM/LER-88-002/1/OS1

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 0 4	
TITLE (4) Maintenance Surveillance Test Not Performed as Required on Radiation Monitor RM #1WV-3547-1																					
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 1	1 9	8 8	8 8	0 0 2	0 1	0 6	2 6	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)		20.402(b)				20.406(c)				50.73(a)(2)(iv)				73.71(b)							
1 0 0		20.406(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)				73.71(c)							
		20.406(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 386A)							
		20.406(a)(1)(iii)				X 50.73(a)(2)(i)				50.73(a)(2)(viii)(A)											
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)											
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)											
LICENSEE CONTACT FOR THIS LER (12)																					
NAME Catherine K. Jeffries Specialist Regulatory Compliance										TELEPHONE NUMBER AREA CODE 9 1 9 3 6 2 - 2 6 9 5											
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs											
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 fifteen single-space typewritten lines) (16)

ABSTRACT

On January 19, 1988, at 1600, while the plant was operating at 100% power in Mode 1, the Vent Stack 5A wide range gas monitor, (WRGM), RM #1WV-3547-1, (EIIS:IL) was declared inoperable under Technical Specification 3.3.3.11, Radioactive Gaseous Effluent Monitoring Instrumentation. This was due to the discovery that a maintenance surveillance test (MST-I0380) on the monitor was not completed as scheduled and was overdue on December 27, 1987.

Because of the missed surveillance test, the monitor should have been declared inoperable on December 27, 1987; therefore, the plant must assume that the monitor has been inoperable since that time. Since the monitor was not restored to service within 7 days of that date, a special report is required in accordance with Technical Specification 3.3.3.6, Accident Monitoring Instrumentation. The information required in a special report is included in this License Event Report.

MST-I0380, WPB Stack 5A Accident Monitor RM1WV35471 Operational. Test, was successfully completed on January 21, 1988, and the monitor was declared operable on January 26, 1988, at 1655. The cause of the overdue surveillance was a procedural deficiency. The corrective action involved a revision to plant procedure PLP-103, Surveillance and Periodic Test Program.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

DESCRIPTION:

The WRGM #1WV-3547-1 was declared inoperable on November 2, 1987, due to the potential loss of sample flow during calibration of the stack flow meter and iso-kinetic sampling skid. This inoperability was reported to the NRC in a special report dated January 4, 1988. The routine maintenance surveillance test, MST-I0380, was scheduled to be performed on December 23, 1987. Since the monitor was still inoperable at this time, the maintenance technicians recorded an inoperable status on the surveillance task sheet. When this information was entered into the computerized Surveillance Test Scheduling System (STSS), the task was automatically rescheduled for March 5, 1988, and indicated that the equipment was inoperable. The system did not indicate that the surveillance test would be overdue on December 27, 1987. However, the monitor was declared operable by Operations personnel on the same day (December 23, 1987), without the maintenance staff being aware of this. The Operations staff based their decision to declare the monitor operable on verbal communications from the Radiation Control staff that the monitor had been placed in operation. Personnel from the Radiation Control staff had been verbally assured by maintenance personnel that there were no outstanding surveillance tasks to be performed on the monitor. As a result, MST-I0380 was not performed and became overdue on December 27, 1987.

On January 19, 1988, the plant was operating in Mode 1 at 100% power. At approximately 1530 on this date, the Maintenance Supervisor discovered that the maintenance surveillance test (MST-I0380) was not completed as scheduled on the Vent Stack 5A wide range gas monitor (WRGM) #1WV-3547-1 (EIIS:IL), and was overdue on December 27, 1987. Operations personnel were notified, and at 1600, the monitor was declared inoperable in accordance with Technical Specification 3.3.3.11, Radioactive Gaseous Effluent Monitoring Instrumentation, and Technical Specification 3.3.3.6, Accident Monitoring Instrumentation.

Because of the missed surveillance test, the monitor should have been declared inoperable on December 27, 1987, the date the surveillance test was overdue; therefore, the plant must assume that the monitor has been inoperable since that time. Since the monitor was not restored to service within 7 days of that date, a special report is required in accordance with Technical Specification 3.3.3.6, Accident Monitoring Instrumentation. The information required in a special report is included in this Licensee Event Report.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

CAUSE:

The failure to identify that MST-I0380 had not been completed was due primarily to a deficient procedure. PLP-103, Surveillance and Periodic Test Program does not adequately address actions required to be taken when a routine surveillance test is delayed due to inoperative equipment. As a result, the monitor was declared operable without operations being aware that the surveillance test would be overdue in 4 days.

ANALYSIS OF EVENT:

The event was reportable due to noncompliance with Technical Specification 3.3.3.11 and 3.3.3.6. The compensatory actions required by Technical Specification 3.3.3.11 were taken on January 19, 1987, when the monitor was declared inoperable. Since the monitor was technically inoperable, due to the missed surveillance test, since December 27, 1987, and this was not discovered until January 19, 1988, there were no compensatory actions during this time period.

MST-I0380, which was not performed as scheduled, was a digital channel operational test designed to exercise the digital computer hardware, using data base manipulation, to verify operability of the alarm and trip functions as specified in Technical Specifications Table 4.3-9. The monitor was still operating and satisfactorily passed all the routine operational surveillance tests conducted twice daily by Operations personnel in accordance with OST-2044, Radwaste Daily Operations Surveillance Test. Although technically inoperable, the monitor was still functioning and is assumed to have accurately monitored the radiological effluents from vent stack 5A during the period in question.

Another event concerning the inoperability of this radiation monitor was reported in a special report dated January 4, 1988, and a Licensee Event Report, LER 87-064-00, was submitted on January 18, 1988, due to failure to meet the time requirements for issuing the special report.

CORRECTIVE ACTIONS:

1. The missed surveillance test was completed, and the monitor was declared operable on January 26, 1988.
2. To ensure that the Control Room personnel are aware of inoperable equipment and that an Equipment Inoperable Record (EIR) is generated which correctly reflects overdue or incomplete routine surveillances on a component, PLP-103, Surveillance and Periodic Test Program, will be revised to include the following specific guidance:

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/88

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

CORRECTIVE ACTIONS: (continued)

- a. If a surveillance test cannot be completed due to equipment inoperability, the test performer will immediately notify the Shift Foreman/Control Room of the item to ensure that an EIR has been initiated and that it reflects the completion of the delayed surveillance test as a prerequisite item for clearing the EIR. The EIR number will be included on the Task Sheet prior to return to Regulatory Compliance.
- b. If a surveillance test cannot be performed prior to its overdue date, due to the equipment being inoperable, the test performer must notify the Shift Foreman to ensure that an EIR is generated and the surveillance test is listed as a prerequisite for clearing the EIR.
- c. When Regulatory Compliance personnel receives a surveillance task sheet with unsatisfactory results, they will call the Clearance Center and verify the EIR number and include the EIR number on the Daily Batch Report.