

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8704280378 DOC. DATE: 87/04/17 NOTARIZED: NO DOCKET #  
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400  
 AUTH. NAME AUTHOR AFFILIATION  
 HUDSON, O. N. Carolina Power & Light Co.  
 WATSON, R. A. Carolina Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-015-00: on 870325, noble gas grab sample not taken.  
 Caused by personnel error. Grab sample taken on 870326. Event  
 reviewed w/staff & personnel counseled. W/870417 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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		LTR	ENCL		LTR	ENCL
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INTERNAL:	ACRS MICHELSON	1	1	ACRS MOELLER	1	1
	AEOD/DOA	1	1	AEOD/DSP/ROAB	2	2
	AEOD/DSP/TPAB	1	1	NRR/DEST/ADE	1	0
	NRR/DEST/ADS	1	0	NRR/DEST/CEB	1	1
	NRR/DEST/ELB	1	1	NRR/DEST/ICSB	1	1
	NRR/DEST/MEB	1	1	NRR/DEST/MTB	1	1
	NRR/DEST/PSB	1	1	NRR/DEST/RSB	1	1
	NRR/DEST/SGB	1	1	NRR/DLPQ/HFB	1	1
	NRR/DLPQ/QAB	1	1	NRR/DOEA/EAB	1	1
	NRR/DREP/EPB	1	1	NRR/DREP/RAB	1	1
	NRR/DREP/RPB	2	2	NRR/PMAS/TLRB	1	1
	NRR/PMAS/PTSB	1	1	<u>REG FILE</u> 02	1	1
	RES SPEIS, T	1	1	RON2 FILE 01	1	1
EXTERNAL:	EG&G GRDH, M	5	5	H ST LOBBY WARD	1	1
	LPDR	1	1	NRC PDR	1	1
	NSIC HARRIS, J	1	1	NSIC MAYS, G	1	1

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104, 200



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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>SHEARON HARRIS PLANT UNIT 1</b>	DOCKET NUMBER (2) <b>0 5 0 0 0 4 0 0</b>	PAGE (3) <b>1 OF 03</b>
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TITLE (4)  
**TURBINE BUILDING VENT STACK RADIATION MONITOR - MISSED SAMPLE**

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	3	25	8	7	015	0	4	17			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) <b>3</b>	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10)	<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"/>	20.405(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"/>	20.405(a)(1)(ii)	<input type="checkbox"/>	50.38(c)(2)	<input type="checkbox"/>	50.73(a)(2)(vii)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
	<input type="checkbox"/>	20.405(a)(1)(iii)	<input checked="" type="checkbox"/>	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)				
	<input type="checkbox"/>	20.405(a)(1)(iv)	<input type="checkbox"/>	50.73(a)(2)(ii)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)				
	<input type="checkbox"/>	20.405(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)				

LICENSEE CONTACT FOR THIS LER (12)	
NAME <b>O. N. HUDSON, SENIOR ENGINEER - REGULATORY COMPLIANCE</b>	TELEPHONE NUMBER AREA CODE: <b>9119</b> NUMBER: <b>362-2363</b>

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
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO						

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

Abstract

On March 23, 1987, the radiation effluent monitor on the Turbine Building vent stack at the Shearon Harris Nuclear Power Plant was declared inoperable. On March 25, while the plant was in Mode 3, a Technical Specification compensatory action, a noble gas grab sample, was not taken due to an incorrect log entry. A grab sample was taken after discovery of the error and the monitor was declared operable on March 26, 1987.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) SHEARON HARRIS PLANT UNIT 1	DOCKET NUMBER (2) 0   5   0   0   0   4   0   0	LER NUMBER (6)			PAGE (3)		
		YEAR 8   7	SEQUENTIAL NUMBER -   0   1   5	REVISION NUMBER -   0   0	0   2 OF 0   3		

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

Description of Event

On March 23, 1987, the radiation effluent monitor on the Turbine Building (TB) vent stack at the Shearon Harris Nuclear Power Plant was declared inoperable due to communication problems and water in the monitor. Technical Specification compensatory actions were implemented as required to: (1) estimate flow rates, (2) take grab samples for noble gas activity and (3) collect continuous samples for iodine and particulates.

On the morning of March 25, 1987, while the plant was in Mode 3, an entry was made in the Chemistry Log Book stating that the TB monitor was operable and the auxiliary sampling equipment needed to be removed. In fact, the TB monitor was still inoperable. A different monitor had been returned to operable status the previous day and it is believed that this led to the incorrect log entry. As a result, the Environmental & Chemistry (E & C) shift turnover log on the morning of the 25th stated that the TB monitor was operable and the auxiliary sampler needed to be removed. However, the E & C turnover log also stated that a gross gas sample on the TB stack needed to be taken at 1300, and the Daily Chemistry Report noted that TB stack monitor as inoperable. The day shift receiving turnover noticed the discrepancy and acted in accordance with the information in the E & C shift turnover log stating that the TB stack monitor was now operable. Therefore, the noble gas grab sample required by the Technical Specifications was not taken at 1300. The previous sample had been taken at 0100 on March 25 and the Technical Specifications require samples every 12 hours. The auxiliary sampler, however, was still in place and operating continuously. All other Technical Specification compensatory actions were maintained throughout the event.

At 0100 on March 26, the E & C shift recognized that the discrepancy existed, and the monitor was still inoperable. A noble gas sample was then collected as required. The TB stack monitor was declared operable later on March 26.

Cause

The cause of this event was personnel error. An incorrect log entry was made stating that the monitor was operable. In addition, the on-coming shift did not thoroughly investigate the discrepancy in the logs.

Analysis

This event is reportable per 10CFR 50.73(a)(2)(i)(B) since a Technical Specification compensatory action was not taken (noble gas grab sample). All other Technical Specification compensatory actions were taken as required throughout the event.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) SHEARON HARRIS PLANT UNIT 1	DOCKET NUMBER (2) 0   5   0   0   0   4   0   0	LER NUMBER (6)			PAGE (3)	
		YEAR 8   7	SEQUENTIAL NUMBER -   0   1   5	REVISION NUMBER -   0   0	d   3	OF   0   3

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

Analysis (continued)

The grab samples taken at 0100 on March 25 and 0100 on March 26 both showed no activity present. The average flow from the stack during the period in question was  $2.62 \times 10^4$  cfm. The plant was in Mode 3. No safety systems or components were affected in this event. Thus, there were no safety consequences or implications.

Similar events are described in LERs 86-001-00, 86-010-00, and 87-016-00.

Corrective Actions

1. The event was reviewed with E & C staff and they were counseled to prevent recurrence.
2. A new procedure is being developed to specifically address inoperable monitors and the appropriate E & C responses. The procedure will provide administrative control concerning the status of relevant effluent monitors and their operability.



Carolina Power & Light Company

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

April 17, 1987

File Number: SHF/10-13510C  
Letter Number: HO-870409 (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 87-015-00

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:skm

Enclosure

cc: Dr. J. Nelson Grace (NRC - RII)  
Mr. B. Buckley (NRR)  
Mr. G. Maxwell (NRC - SHNPP)

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