

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8803020204 DOC. DATE: 88/02/29 NOTARIZED: NO DOCKET #
 FACIL: 50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH. NAME AUTHOR AFFILIATION
 SCHWABENBAUER Carolina Power & Light Co.
 WATSON, R.A. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 88-005-00: on 880130, turbine bldg vent stack monitor sampling room air due to mispositioned valves.

W/8 ltr.

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

NOTES: Application for permit renewal filed. 05000400S

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	
	PD2-1 LA	1 1	PD2-1 PD	1 1	/
	BUCKLEY, B	1 1			A
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2	D
	AEOD/DOA	1 1	AEOD/DSP/NAS	1 1	D
	AEOD/DSP/ROAB	2 2	AEOD/DSP/TPAB	1 1	S
	ARM/DCTS/DAB	1 1	DEDRO	1 1	
	NRR/DEST/ADS7E4	1 0	NRR/DEST/CEB8H7	1 1	
	NRR/DEST/ESB 8D	1 1	NRR/DEST/ICSB7A	1 1	
	NRR/DEST/MEB9H3	1 1	NRR/DEST/MTB 9H	1 1	
	NRR/DEST/PSB8D1	1 1	NRR/DEST/RSB 8E	1 1	
	NRR/DEST/SGB 8D	1 1	NRR/DLPQ/HFB10D	1 1	
	NRR/DLPQ/QAB10A	1 1	NRR/DOEA/EAB11E	1 1	
	NRR/DREP/RAB10A	1 1	NRR/DREP/RPB10A	2 2	
	NRR/DRIS/SIB9A1	1 1	NRR/PMAS/ILRB12	1 1	
	REG FILE 02	1 1	RES TELFORD, J	1 1	
	RES/DE/EIB	1 1	RES/DRPS DIR	1 1	
	RGN2 FILE 01	1 1			
EXTERNAL:	EG&G GROH, M	5 5	FORD BLDG HOY, A	1 1	R
	H ST LOBBY WARD	1 1	LPDR	1 1	I
	NRC PDR	1 1	NSIC HARRIS, J	1 1	D
	NSIC MAYS, G	1 1			S

TOTAL NUMBER OF COPIES REQUIRED: LTTR 46 ENCL 45

LICENSEE EVENT REPORT (LER)

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

TITLE (4) TURBINE BUILDING VENT STACK MONITOR SAMPLING ROOM AIR DUE TO MISPOSITIONED VALVES CAUSED BY INADEQUATE PROCEDURE.

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)
01	30	88	88	005	00	02	29	88		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)	1100	20.402(b)	20.406(a)(1)(i)	20.406(a)(1)(ii)	20.406(a)(1)(iii)	20.406(a)(1)(iv)	20.406(a)(1)(v)	20.406(c)	50.36(c)(1)	50.36(c)(2)	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)(x)	73.71(b)	73.71(c)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)		

LICENSEE CONTACT FOR THIS LER (12) NAME R. SCHWABENBAUER - REGULATORY COMPLIANCE TECHNICIAN TELEPHONE NUMBER 9 1 9 3 6 2 - 2 6 6 9 AREA CODE

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	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14) YES (If yes, complete EXPECTED SUBMISSION DATE) NO X NO EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16) LER-88-005-00

ABSTRACT:

The plant was operating in Mode 1, Power Operation, at 100 percent reactor power on February 1, 1988. At 0930 hours, it was discovered that two valves for the Turbine Building Vent Stack 3A Wide Range Gas Monitor RM-01TV-3536-1 were mispositioned. As a result of these mispositioned valves, the monitor was sampling room air instead of vent stack air as required. It has been determined that this condition had existed since January 30, 1988, at 1831 hours when the monitor was returned to service following a maintenance activity.

The cause of the mispositioned valves was a procedural deficiency in that restoration of the misaligned valves was not adequately addressed in applicable procedures.

No safety consequences resulted from this event since no detectable radioactivity has been released via this stack prior to or after this event. Also, no primary to secondary leakage currently exists in the plant.

Corrective actions are: the valve lineup for the monitor skid was immediately corrected, Health Physics procedures are being revised to include valve lineups and independent verification, and applicable personnel will be instructed on proper valve lineup prior to declaring monitor operable.

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

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PDR ADOCK 05000400
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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 8	0 0 5	0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 364A's) (17)

TEXT

DESCRIPTION:

The plant was operating in Mode 1, Power Operation, at 100 percent reactor power on January 25, 1988.

Maintenance initiated work on the Turbine Building (EIIS:NM) Vent Stack 3A Wide Range Gas Monitor RM-01TV-3536-1 (EIIS:IL) to troubleshoot and correct a loss of sample flow control alarm. During the troubleshooting process, adequate sample flow through the monitor skid could not be maintained due to the auxiliary sampler installed upstream of the monitor. In order to attain enough sample flow for troubleshooting and testing, it was necessary to open the grab sample valve allowing the monitor to draw room air. In addition, the grab sample isolation valve was closed to prevent back flow of room air into the auxiliary sampler. During this evaluation, an auxiliary sampler was connected to satisfy Technical Specification Action requirements.

Upon completion of maintenance, the grab sample isolation valve and grab sample valve were not repositioned to allow the monitor to draw air from the stack. At 1831 hours, on January 30, 1988, the monitor was declared operable and the auxiliary sampler was removed.

The monitor operated with the mispositioned valves until 0930 hours on February 1, 1988. At 0930 hours, it was discovered that two valves for the monitor were mispositioned such that the monitor was sampling room air instead of vent stack air as required. This condition was discovered during a routine sampling evolution.

Upon discovery, the incorrect valve lineup was corrected.

CAUSE:

The cause of the event was a procedural deficiency in that applicable procedures did not address repositioning of the grab sample valves following maintenance activities.

ANALYSIS:

No safety consequences resulted from this event as there have not been any detectable radioactivity released through this stack either prior to or since this event. Also, no primary to secondary leakage existed during the time frame the monitor was not operable.

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)	
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		8 8	- 0 0 5	- 0 0	0 3	OF 0 3

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

DESCRIPTION: (continued)

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

LER-87-016-00 reported a similar event where the monitor was sampling room air instead of the required stack air. In this event, the auxiliary sampler was left installed when the monitor was declared operable and the monitor again was not aligned to the Turbine Building stack.

CORRECTIVE ACTIONS/ACTION TO PREVENT RECURRENCE:

1. The valves were properly positioned to monitor stack air.
2. Health Physics procedures are being revised to have the technician verify the monitor valve lineup following any period of inoperability.
3. Applicable personnel will be instructed to ensure monitor is properly lined up for proper operation prior to declaring monitor operable.



Carolina Power & Light Company

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

FEB 29 1988

File Number: SHF/10-13510C
Letter Number: HO-880076 (O)

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 88-005-00

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

MGW:msb

Enclosure

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

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