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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9110010101 DOC.DATE: 91/09/25 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.
 RICHEY,R.B. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 91-017-00:on 910827,tech spec violation occurred due to missed composite sample during release of secondary waste sample tank.Caused by personnel error.Verify effluent stream contained no radioactivity.W/910925 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/DET/EMEB 7E	1 1	NRR/DLPQ/LHFB10	1 1	
	NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB	1 1	
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	NRR/DST/SRXB 8E	1 1	REG FILE 02	1 1	
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EXTERNAL:	EG&G BRYCE,J.H	3 3	L ST LOBBY WARD	1 1	
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Carolina Power & Light Company

P.O. Box 165 • New Hill, N.C. 27562

R. B. RICHEY
Vice President
Harris Nuclear Project

SEP 25 1991

Letter Number: HO-910137 (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 91-017-00

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

CS Hinant for

R. B. Richey
Vice President
Harris Nuclear Project

RBR:dmw

Enclosure

cc: Mr. S. D. Ebnetter (NRC - RII)
Ms. B. L. Mozafari (NRC - RII)
Mr. J. E. Tedrow (NRC - SHNPP)

MEM/LER91-017/1/OS1

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9110010101 910925
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TEAR 11

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 RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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 3
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TITLE (4) Technical Specification violation due to missed composite sample during release of Secondary Waste Sample Tank.

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 8	2 7	9 1	9 1	0 1	7	0 0	9 2	4 9			0 5 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

OPERATING MODE (9) 1	20.402(b)	20.405(c)	60.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 1 0 0	20.405(a)(1)(i)	60.38(c)(1)	60.73(a)(2)(v)	73.71(c)
	20.405(a)(1)(ii)	60.38(c)(2)	60.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 368A)
	20.405(a)(1)(iii)	X 60.73(a)(2)(i)	60.73(a)(2)(viii)(A)	
	20.405(a)(1)(iv)	60.73(a)(2)(ii)	60.73(a)(2)(viii)(B)	
	20.405(a)(1)(v)	60.73(a)(2)(iii)	60.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Michael Verrilli - Regulatory Compliance Specialist	TELEPHONE NUMBER AREA CODE 9 1 9 3 6 2 - 2 3 0 3
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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)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

At 1607 hours on 8/27/91, a continuous release from the Secondary Waste Sample Tank (SWST) was initiated. Technical Specifications 3.11.1.1 Table 4.11-1 Action 2.b requires a continuous composite sample proportional to the discharge flow rate from the SWST while conducting a continuous release. Site Chemistry personnel were notified at this time to start the composite sampler and adjust the flow rate corresponding to the release rate. The Chemistry Technician responsible for this action became distracted with other shift duties and did not initiate the required sample. The release was secured at 2345 hours and it was discovered at this time that the sampler had never been started.

The cause of this event was personnel error on the part of the Chemistry Technician due to not initiating a composite sample. Immediate corrective actions were to verify that the effluent stream contained no radioactivity. This was confirmed by the fact that the SWST radiation monitor, which was functioning properly during the release, did not detect any abnormal activity levels. Results of an isotopic analysis that had been performed on this water prior to being transferred to the SWST were also reviewed. These results also indicated no abnormal activity levels. Additional corrective actions will include a procedure revision and a review of this incident with applicable personnel.

**LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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 9 1	SEQUENTIAL NUMBER - 0 1 7	REVISION NUMBER - 0 0	0 2	OF 0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

EVENT DESCRIPTION:

At 1607 on 8/27/91, with the plant operating at 100% power, Radwaste Operations personnel were making preparations for a continuous release of the Secondary Waste Sample Tank (SWST). Plant Operating Procedure OP-120.01 requires notification of Chemistry personnel so the ISCO composite sampler can be started and the flow rate adjusted to the corresponding release rate. This notification was performed, but the chemistry technician responsible for this action became distracted with other shift duties and did not start the ISCO composite sampler. At 2345 hours, upon completion of the release, Chemistry personnel discovered this problem when the sample was to be secured.

CAUSE

The cause of this event was personnel error on the part of the chemistry technician. Proper notification was made by Radwaste Operations but the technician became distracted with other shift duties and failed to initiate the composite sample.

SAFETY SIGNIFICANCE

There were no safety consequences as a result of this event. This is based on the fact that the SWST radiation monitor was functioning properly during the release and did not detect any radioactivity in the effluent stream. In addition, an isotopic analysis was performed on the water just prior to transferring it into the SWST. This analysis also verified that no radioactivity was present.

Technical Specifications 3.11.1.1 Table 4.11-1 Action 2.b requires a continuous composite sample proportional to the discharge flow rate from the SWST while conducting a continuous release. The sample for this particular release was not collected and is therefore being reported in accordance with 10CFR50.73 (a)(2)(i)(B) as a Technical Specification violation.

One event similar to this was reported in LER #89-012.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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	
		9 1	- 0 1 7	- 0 0	0 3

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

CORRECTIVE ACTIONS:

1. Immediate Corrective actions were to verify that no radioactivity was present in the SWST effluent stream. This was confirmed by the fact that the SWST radiation monitor was functioning properly during the release and did not detect any abnormal activity levels. The results of an isotopic analysis performed on the water prior to its transfer into the SWST were also reviewed. This analysis indicated that no activity was present in the water.
2. Revise Operating Procedure (OP-120.01.02) to include an additional step that requires a Chemistry Technician's signature, stating that the composite sampler has been started and/or properly adjusted for the appropriate flow rate and that Radwaste Operations has been informed of this action.
3. The individual responsible for the error has been counseled. This event will also be reviewed with applicable Chemistry and Radwaste personnel to stress the importance of the composite sample and to inform them of the procedure revision described above.

EIIS CODE INFORMATION: N/A