



January 28, 2000  
RC-00-0027

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION  
DOCKET NO. 50-395  
OPERATING LICENSE NO. NPF-12  
LICENSEE EVENT REPORT (LER 2000-001-00)  
MISSED SURVEILLANCE ON CONTROL ROOM EVACUATION  
PANEL 'B' STEAM GENERATOR WIDE RANGE LEVEL  
INDICATOR

**Gary J. Taylor**  
Vice President  
Nuclear Operations

Attached is Licensee Event Report No. 2000-001-00, for the Virgil C. Summer Nuclear Station (VCSNS). This issue is being reported per 10 CFR 50.73(a)(2)(i)(B).

Should you have any questions, please call Mrs. April Rice at (803) 345-4232.

South Carolina Electric & Gas Co  
Virgil C. Summer Nuclear Station  
P. O. Box 88  
Jenkinsville, South Carolina  
29065

803.345.4344  
803.345.5209  
www.scana.com

Very truly yours,

Gary J. Taylor

GJT/RKM  
Attachment

c: J. L. Skolds	EPIX Coordinator
J. J. Galan (w/o attachment)	J. B. Knotts, Jr.
R. J. White	INPO Records Center
L. A. Reyes	J&H Marsh & McLennan
K. R. Cotton	NSRC
NRC Resident Inspector	RTS (O-L-00-0005)
H. C. Fields	RTS (O-C-00-0036)
D. M. Deardorff	File (818.07)
Paulett Ledbetter	DMS (RC-00-0027)
D. L. Abstance	

**NUCLEAR EXCELLENCE - A SUMMER TRADITION!**

IE22

Estimated burden per response to comply with this mandatory information collection request: 50.0 hrs. Reported lessons learned are incorporated into the licensing process and fed back to industry. Forward comments regarding burden estimate to the Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0104), Office of Management and Budget, Washington, DC 20503. If an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

# LICENSEE EVENT REPORT (LER)

<b>FACILITY NAME (1)</b> Virgil C. Summer Nuclear Station	<b>DOCKET NUMBER (2)</b> 05000395	<b>PAGE (3)</b> 1 of 3
--	--------------------------------------	---------------------------

**TITLE (4)**  
Missed Surveillance on Control Room Evacuation Panel 'B' Steam Generator Wide Range Level Indicator (LI00487B)

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 NAME	DOCKET NUMBER
01	06	2000	2000	-- 001	-- 00	01	28	2000		05000
									FACILITY NAME	DOCKET NUMBER

<b>OPERATING MODE (9)</b> 1	<b>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)</b>									
<b>POWER LEVEL (10)</b> 100	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(2)(v)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)						
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(x)						
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(iii)	73.71						
	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(iv)	OTHER						
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	Specify in Abstract below or in NRC FORM 366A						
<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)								

**LICENSEE CONTACT FOR THIS LER (12)**

<b>NAME</b> A. R. Rice Manager, Nuclear Licensing & Operating Experience	<b>TELEPHONE NUMBER (Include Area Code)</b> (803) 345 - 4232
--	---

**COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)**

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX
A	SB			No					

<b>SUPPLEMENTAL REPORT EXPECTED (14)</b>				<b>EXPECTED SUBMISSION DATE (15)</b>		MONTH	DAY	YEAR
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE).	<input type="checkbox"/> NO	X						

**ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)**

On January 6, 2000, the task tracking system prompted generation of a Surveillance Test Task Sheet (STTS) for the Control Room Evacuation Panel (CREP) 'B' Steam Generator level indicator (surveillance test procedure STP0345.056) with a "need date" of October 25, 1998. This surveillance has an 18-month frequency and was last performed on April 27, 1997. This surveillance should have been performed on October 25, 1998.

It was determined that, during the rollover from an old tracking system database (CHAMPS RMS) to a new database (CHAMPS RDB) in March 1997, a database algorithm created an error in some due date calculations. The verification and validation process for the database upgrade failed to detect this discrepancy. The STTS for the April 27, 1997 performance of STP0345.056 had been generated prior to the database rollover, and therefore, was not affected by the rollover. Subsequent to the rollover, errors were detected in due date calculations for some tasks, and corrected. None of these other calculation errors resulted in missed surveillances. It could not be determined if the subject surveillance due date error was detected at this time and invalid data was then entered while attempting to correct the problem, or if it remained undetected until January 6, 2000.

In response to the above condition, the required surveillance was completed on January 7, 2000, the test due date for the subject surveillance was corrected, and the CHAMPS RDB system was thoroughly tested and determined to have no additional errors.

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

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
V. C. Summer Nuclear Station	05000395	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 of 3
		2000	001	00	

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

**PLANT IDENTIFICATION**

Westinghouse - Pressurized Water Reactor

**EQUIPMENT IDENTIFICATION**

EIIS Code: SB - Main Steam System

**IDENTIFICATION OF EVENT**

A routine tasking report was generated in the station tracking system (CHAMPS RDB) for tasks coming due during the first quarter of 2000. Planning & Scheduling (P&S) personnel discovered that the need date for the subject surveillance was October 25, 1998. P&S personnel determined that the surveillance had not been performed since April 27, 1997, and that it should have been performed on October 25, 1998. After this determination, Condition Evaluation Report (CER) 00-0036 was generated to provide notification of the missed surveillance.

**EVENT DATE**

January 6, 2000. This is the date that it was determined the surveillance was missed and CER 00-0036 was generated.

**REPORT DATE**

January 28, 2000

**CONDITIONS PRIOR TO EVENT**

Mode 1 - 100% Reactor Power

**DESCRIPTION OF EVENT**

On January 6, 2000, the station task tracking system prompted generation of a Surveillance Test Task Sheet (STTS) for the Control Room Evacuation Panel (CREP) 'B' Steam Generator level indicator (surveillance test procedure STP0345.056) with a "need date" of October 25, 1998. This surveillance has an 18-month frequency and was last performed on April 27, 1997. This surveillance should have been performed again on October 25, 1998.

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

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
V. C. Summer Nuclear Station	05000395	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	3 of 3
		2000	001	00	

**TEXT** (If more space is required, use additional copies of NRC Form 366A) (17)

**CAUSE OF EVENT**

The cause of this event is attributed to personnel error. It was determined that, during the rollover from an old database (CHAMPS RMS) to a new database (CHAMPS RDB) in March 1997, a database algorithm created an error in some due date calculations. The verification and validation process for the database upgrade failed to detect this discrepancy. Subsequent to the rollover, errors were detected in due date calculations for some tasks, and corrected. None of these other calculation errors resulted in missed surveillances. It could not be determined if the subject surveillance due date error was detected at this time and invalid data was then entered while attempting to correct the problem, or if it remained undetected until January 6, 2000. In addition, manual task tracking, used as a backup method, failed to detect the test due date error due to a transposition error in data entry.

**ANALYSIS OF EVENT**

There were no safety consequences associated with this event. The ILT00487A 7300 Process loop instrumentation channel supplies the B Steam Generator wide range level signal to the Control Room Evacuation Panel (CREP) indicator ILI00487B. This instrument channel has no control or protection functions. Should this instrument channel fail or be in error, there is a redundant B Steam Generator wide range indication available with level indicator ILI00487A, which is located adjacent to the turbine driven emergency feedwater pump on panel XPN5231 and supplied by instrument channel ILT00487. Successful completion of the surveillance test, with no adjustment needed, verified that the CREP B Steam Generator wide range indicator ILI00487B was functioning properly and accurately.

**INTERIM CORRECTIVE ACTIONS**

The required surveillance was satisfactorily completed on January 7, 2000, and the test due date for the subject surveillance was corrected in the CHAMPS RDB task tracking system.

**ADDITIONAL CORRECTIVE ACTIONS**

The CHAMPS RDB task tracking system was tested to determine if any additional tracking errors existed. Several reports were compiled to analyze the STTS Repetitive Task portion of the CHAMPS RDB database. These reports indicated that there were no additional errors in surveillance test tracking.

**PRIOR OCCURRENCES**

None