

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Hope Creek Generating Station DOCKET NUMBER (2) 0 5 0 0 0 3 5 4 PAGE (3) 1 OF 0 4

TITLE (4) Missed surveillance During Initial Core Loading Due to Personnel Error

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		
0	4	86	86	008	00	0	5	20			
									DOCKET NUMBER(S) 0 5 0 0 0		
									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 (8) 5	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 0 0	20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
	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)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Karen M. Head - Technical Staff Engineer	AREA CODE 61019 313191-15121319

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if yes, complete EXPECTED SUBMISSION DATE)  NO  X

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On April 24, 1986 a NRC inspector discovered that the twenty-four hour Standby Liquid Control System Surveillances were not current on two occasions during initial fuel loading and control rod testing. Technical Specification Surveillance 4.1.5.a.2 had been omitted because rod testing had ceased when the test was procedurally required. Upon resumption of testing, however, the surveillances were not completed as specified by the Technical Specifications. The root cause was a personnel error in not recording the necessary information or noting a contrary condition. Corrective actions include the requirement that all readings specified during special situations within an operational condition be recorded even if the situation does not exist. In addition, procedures will be revised to endorse this philosophy. The implementation of these actions shall help to ensure this incident does not recur.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (if more space is required, use additional NRC Form 388A's) (17)

PLANT AND SYSTEM IDENTIFICATION:

General Electric - Boiling Water Reactor  
Standby Liquid Control System - EIIS Designation - BR

IDENTIFICATION OF OCCURRENCE:

Missed Surveillance During Initial Core Loading Due to Personnel Error  
Discovery Date: 04/24/86  
This LER was initiated by Incident Report No. 86-046.

PLANT CONDITIONS:

Operational Condition 5 - Refueling activities and control rod testing in progress and then halted for bridge malfunctions and surveillance testing.

BACKGROUND

Hope Creek Generating Station began loading fuel on April 15, 1986 and completed the task twelve days later on April 27, 1986. Concurrently, control rod scram time and friction testing were being performed. During the twelve day period, Technical Specification Surveillances required for operational condition 5, CORE ALTERATIONS, and operations with a control rod withdrawn were to be satisfied. In addition, Technical Specification 4.0.4 states "Entry into an OPERATIONAL CONDITION or other specified applicable condition shall not be made unless Surveillance Requirement(s) associated with the Limiting Condition for Operation have been performed within the applicable surveillance interval or as otherwise specified". Adherence to these requirements is delineated in the license.

Bridge malfunctions and surveillance testing, however, caused fuel loading and rod testing to cease several times during the twelve days. During these periods, the surveillances required for special conditions such as operations with a control rod withdrawn were not required until rod testing resumed. The performance of Technical Specification 3/4.1.5.a which requires that various Standby Liquid Control System parameters be verified daily was directly effected by the halting of control rod testing because no readings were recorded.

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TEXT (If more space is required, use additional NRC Form 388A's) (17)

DESCRIPTION OF THE EVENT

On April 24, 1986 an NRC inspector discovered that the twenty-four hour Standby Liquid Control System Surveillances were not current during two of the preceding days of rod testing and fuel loading. As found by the inspector, fuel loading and rod testing had been halted during the shift in which the reading was required. Since there were no rods withdrawn, the reading was bypassed. When testing resumed, however, no readings were recorded resulting in a non compliance with the Technical Specifications.

APPARENT CAUSE OF THE EVENT

The root cause of the incident is personnel error in not recording the indicated value or making a written comment to identify why the action was not performed. Procedurally, the twenty-four hour Standby Liquid Control System Surveillances are to be recorded during the 2300-700 shift and if not recorded at that time, the reading is not specified for another twenty-four hours. The operators, however, felt justified in not noting the parameters since the procedure states the value is required "with any control rod withdrawn." Since fuel loading and testing had been halted when the log was completed, the operators believed the reading was unnecessary. When friction and scram time testing of the control rods commenced, all surveillances involving control rod withdrawal were required to be current. Since the operators had recorded "N/A" in the log, the surveillance requirements had not been satisfied.

ANALYSIS OF THE EVENT

During all operational conditions, Operations Department Surveillances of a week or less in frequency are satisfied by completing the Surveillance Log as delineated in OP-DL.ZZ-026(Q). The log designates the day and/or the shift in which the surveillance is required. If completed rigorously, a surveillance will not be missed. The log, however, is based upon the philosophy that once an operational condition or special condition (i.e. with any control rod withdrawn) is entered, that status will be maintained until completion of the activity. As a result, for surveillances that are required daily, one shift was chosen to record readings and procedurally the other two are not required to verify the surveillance. It was not considered that a malfunction in equipment or other surveillance testing would negate a special condition status such that the log would not be completed in the designated time frame.

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TEXT (If more space is required, use additional NRC Form 306A's) (17)

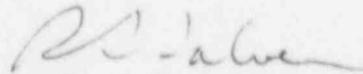
ANALYSIS OF THE EVENT (Con't)

During initial core load, scram time and friction testing of the control rods was being performed concurrently with fuel loading. Daily verification of various Standby Liquid Control System parameters is required by the Technical Specifications with a control rod withdrawn in operational condition 5. Due to the control rod testing, the surveillances were required. The Surveillance Log delineates that these surveillances are to be satisfied during the 2300-700 shift, and the other shifts are not required procedurally to verify its completion. When fuel movement and testing ceased, the 2300-700 shift determined that the readings were not required because a control rod was not withdrawn. After testing began, however, the parameters were not recorded nor were they required to be noted by procedure. Since the special condition was to continue and was only temporarily halted, all readings should have been recorded as prescribed in the log. As a result, the root cause is personnel error in not satisfying the Standby Liquid Control System surveillance.

CORRECTIVE ACTION

Three actions were initiated to reduce the probability of a similar incident. Effective immediately any reading which is only required during a special situation within an operational condition shall be recorded even if the special situation does not exist. In addition, a revision to OP-DL.ZZ-026(Q), Surveillance Log, has been initiated to reinforce this philosophy. The refueling operations procedure, OP-IO.ZZ-009(Q), will also be revised to require a log review for possible out-of-spec readings. These actions shall help to avert a similar error.

This incident posed no impact on the public health and safety. This incident is being reported in accordance with 10CFR50.73(a)(2)(i)(B).

  
 R. S. Salvesen  
 General Manager  
 Hope Creek Operations

KMH:bar

SORC Mtg 86-110



Public Service Electric and Gas Company P. O. Box A Hancocks Bridge, New Jersey 08038

Hope Creek Generating Station

May 20, 1986

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

Dear Sir:

HOPE CREEK GENERATING STATION  
DOCKET NO. 50-354  
UNIT NO. 1  
LICENSEE EVENT REPORT 86-008

This Licensee Event Report is being submitted pursuant to the requirements 10CFR50.73(a)(2)(i).

Sincerely yours,

A handwritten signature in dark ink, appearing to read "R. S. Salvesen".

R. S. Salvesen  
General Manager  
Hope Creek Operations

KMH:bar

SORC Mtg. 86-110  
Attachment

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