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October 1, 1992

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

References: Facility Operating License No. NPF-86, Docket No. 50-443

Subject: Licensee Event Report (LER) No. 92-014-00: Missed Technical Specification
Surveillance on Seismic Monitoring Instrumentation

Gentlemen:

Enclosed please find Licensee Event Report (LER) No. 92-014-00 for Seabrook Station. This submittal documents an event which was discovered on August 27, 1992 and is being reported pursuant to 10 CFR 50.73(a)(2)(i)(B).

Should you require further information regarding this matter, please contact Mr. James M. Peschel, Regulatory Compliance Manager, at (603) 474-9521, extension 3772.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Ted Feigenbaum".

Ted C. Feigenbaum

TCF:MJM/mjm

Enclosures: NRC Forms 366, 366A

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October 1, 1992
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cc: Mr. Thomas T. Martin
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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) SEABROOK STATION						DOCKET NUMBER (2) 0 5 0 0 0 4 4 3								PAGE (3) 1 OF 0 3				
TITLE (4) Missed Technical Specification Surveillance on Seismic Monitoring Instrumentation																		
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 5 0 0 0			
0 9	0 1	9 2	9 2	— 0 1 4 —		0 0	1 0	0 1	9 2						0 5 0 0 0			
OPERATING MODE (9) 1			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)															
POWER LEVEL (10) 0 9 5		20.402(b)				20.405(-)				50.735(1)(2)(H)				73.71(h)				
		20.405(a)(1)(I)				50.56(e)(1)				50.735(1)(2)(-)				73.71(k)				
		20.405(a)(1)(II)				50.36(e)(2)				50.735(1)(2)(+)				OTHER (Specify in Abstract below and in Text, NRC Form 305A)				
		20.405(a)(1)(III)				<input checked="" type="checkbox"/> 50.735(1)(2)(J)				50.735(1)(2)(VIII)(A)								
		20.405(a)(1)(IV)				50.735(1)(2)(K)				50.735(1)(2)(IX)(B)								
		20.405(a)(1)(V)				50.735(1)(2)(L)				50.735(1)(2)(X)								
LICENSEE CONTACT FOR THIS LER (12)																		
NAME										TELEPHONE NUMBER								
Mr. James M. Feschel, Regulatory Compliance Manager X3772										AREA CODE		6 1 0 3 4 1 7 4 1 - 1 9 5 2 1						
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	CAUSE	SYSTEM	COMPONENT	
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 1,000 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																		

On September 1, 1992 North Atlantic Energy Service Corporation (North Atlantic) identified a missed Technical Specification surveillance on the Seismic Monitoring System (IN). Technical Specification 3.3.3.3 requires that all seismic monitoring instrumentation listed in Table 3.3-7 to be OPERABLE at all times. A monthly channel check is required for some of these seismic monitoring instruments to demonstrate OPERABILITY of the seismic monitoring system.

On August 25, 1992 North Atlantic personnel initiated the monthly channel check on the seismic monitoring system. However, since a channel calibration was being performed concurrently on part of the seismic monitoring system at the time the channel check was being performed the channel check of the triaxial time-history accelerographs could not be completed. The test documentation was annotated to show that the portion of the channel check for the time-history accelerographs would be performed later. During the calibration a deficiency was identified in the triaxial response-spectrum recorder. The instrument was removed for troubleshooting and repaired. It was reinstalled in the system on August 31, 1992. The retest for this instrument was satisfactory performance of the channel check procedure. A partial channel check was performed on August 31, 1992 to accomplish the retest of the response-spectrum recorder. However, the need to perform the portion of the channel check procedure for the time-history accelerographs was not identified at this time.

On September 1, 1992 a Shift Superintendent identified the missed surveillance and directed that a channel check be performed on the time-history accelerographs. This surveillance was performed with acceptable results. However, the surveillance requirement interval, including the 25% extension allowed by Technical Specification 4.0.2, was exceeded by approximately 24 hours.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OME NO. 3150-0104

EXPIRES: 8/31/96

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
SEABROOK STATION	0500044392	01	4	00	02	OF	03

TEXT (If more space is required, use additional NRC Form 366A (1) (3))

BACKGROUND

Technical Specification 3.3.3.3 requires that all seismic monitoring instrumentation listed in Table 3.3-7 be OPERABLE at all times. The surveillance requirements for demonstrating OPERABILITY are specified in Table 4.3-4. Included in these required surveillances is a monthly channel check for certain seismic monitoring instruments.

On August 25, 1992 a monthly channel check was performed on the seismic monitoring system in accordance with North Atlantic Station Operating Procedure OX1457.01, "Seismic Monitor Monthly Channel Check". This channel check verifies that all time-history accelerographs, seismic switches, and response-spectrum recorders of the seismic monitoring system which require a channel check are functioning properly. However, since a channel calibration was in progress at the time the channel check was being performed, one portion of the channel check procedure, the check of the triaxial time-history accelerographs, could not be performed. The Repetitive Task Sheet, which is the administrative vehicle used by North Atlantic to document surveillance test accomplishment, was properly annotated to show that the monthly seismic monitor check was only partially complete, and that section 8.4 of procedure OX1457.01 would be completed later.

During the calibration of the seismic monitoring instrumentation North Atlantic identified a deficiency on the containment foundation triaxial response-spectrum recorder. This deficiency was identified on August 28, 1992. The instrument was removed, repaired, and returned to the system on August 31, 1992. The specified retest for the instrument was to perform a channel check per section 8.3 of procedure OX1457.01. This retest was accomplished on August 31, 1992. However, the need to also perform section 8.4 of procedure OX1457.01 in order to complete the monthly surveillance was not identified at this time.

On September 1, 1992, at 2004, the Shift Superintendent identified the fact that section 8.4 had not been performed during either of the two previous channel check surveillances. He directed that this section of the channel check procedure be performed. This action was completed at 2017 on September 1. However, the specified monthly surveillance interval, including the maximum allowable extension of Technical Specification 4.0.2, had been exceeded by 24 hours.

SAFETY CONSEQUENCES

There are no adverse safety consequences associated with this condition. A channel check on the time-history accelerographs was performed on July 23, 1992, with acceptable results. The channel check performed on September 1, 1992 demonstrated that the time-history accelerographs were still operating properly. In addition, the seismic monitoring instrumentation does not perform any control or protection function for the safe operation of the plant. The only action statement associated with this event is to file a special report to the Commission if one or more of the seismic instruments specified in the Technical Specifications is inoperable for more than 30 days. The instruments associated with this event were inoperable from August 25 to September 1, 1992, thus a special report is not required.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) SEABROOK STATION	DOCKET NUMBER (2) 0 5 0 0 0 4 4 3 9 2 — 0 1 4 — 0 0 0 3 OF 0 3	LER NUMBER (3)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

TEXT (8) MUST APPEAR IN ORIGINAL, USE ADDITIONAL NRC Form 366A's (17)

ROOT CAUSE

The root cause of this event was determined to be inadequate communication between the shift originally performing the surveillance and the shift performing the retest, and between the work control supervisor and the shift performing the retest. The shift performing the retest was not aware that section 8.4 of the surveillance procedure had not been performed during the partial surveillance on August 25th and needed to be performed in addition to the retest for the work performed on the triaxial response-spectrum recorder.

CORRECTIVE ACTIONS

The portion of the surveillance that was missed on August 31, 1992 was performed immediately following its discovery on September 1, 1992. This surveillance indicated that the triaxial time history accelerographs were operating properly. The Operations Manager will review this event with each operating crew and with the Work Control Supervisor stressing the importance of adequate communications within the department.

PLANT CONDITIONS

The plant was in MODTM 1, Power Operation, at 95 percent power with a reactor coolant system temperature of 585°F and pressure of 2240 psig.

North Atlantic has reported other instances where surveillance requirements were missed.

Licensee Event Report (LER) 92-003-00 was issued in March 1992 to report several instances when Technical Specification Surveillance Requirement 4.7.1.3 (verifying Condensate Storage Tank enclosure integrity) had been missed and one occasion when Technical Specification Surveillance Requirement 4.7.10 (temperature in the Fuel Storage Building Spent Fuel Pool Cooling Pump area) had been missed.

LER 90-009-00 was issued in March 1990 to report that Technical Specification Surveillance Requirement 4.6.1.3 (containment air lock operability) had been missed.