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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
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 RECIP. NAME: RECIPIENT AFFILIATION

SUBJECT: LER 89-010-00: on 890705, surveillance of seismic/expansion
 gap seals not performed.

W/8 ltr.

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 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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August 4, 1989

United States Nuclear Regulatory Commission
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Operating License DPR-58
Docket No. 50-315

Document Control Manager:

In accordance with the criteria established by 10 CFR 50.73
entitled Licensee Event Reporting System, the following
report is being submitted:

89-010-00

Sincerely,


W. G. Smith, Jr.
Plant Manager

WGS:clw

Attachment

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D.C. Cook - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 1 5										PAGE (3) 1 OF 0 3	
TITLE (4) Surveillance of Seismic/Expansion Gap Seals Not Performed Due to Failure to Recognize These Seals as Requiring Surveillance Per Technical Specifications																					
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 7	0 5	8 9	8 9	0 1 0	0 0 0	0 8	0 4	8 9	D.C. Cook - Unit 2						0 5 0 0 0 3 1 6						
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)			20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)						
0 3 2			20.405(a)(1)(i)				50.38(c)(1)				50.73(a)(2)(v)				73.71(c)						
			20.405(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
			20.405(a)(1)(iii)				X 50.73(a)(2)(i)				50.73(a)(2)(viii)(A)										
			20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)										
			20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)										
LICENSEE CONTACT FOR THIS LER (12)																					
NAME J.R. Sampson Safety and Assessment Superintendent										TELEPHONE NUMBER AREA CODE 6 1 6 4 6 5 - 5 9 0 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											
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)				MONTH	DAY	YEAR					
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO																					

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

On July 5, 1989 during the review of installation specification/surveillance requirements, it was determined that 414 seismic/expansion gap seals, which had not previously been considered to have required Technical Specification Surveillance, should have been included in the formal fire seal inspection program as required by Technical Specification Surveillance 4.7.10.1.c.

Prior to July 5, 1989, the fire barrier silicone type foam penetration seals installed under Specification DCC FP 101 QCN were considered the only seals requiring inspection per Technical Specification Surveillance 4.7.10.1.c. As a result of this determination, the seismic/expansion gap seals installed under Specification DCC FP 102 QCF for seismic deflection, expansion and non-load bearing gaps were not recognized as requiring Technical Specification Surveillance.

Based on visual and engineering reviews all applicable seismic/expansion gap seals were confirmed operable. The plant will apply the provisions of Technical Specifications to those seismic/expansion gap seals specified in Specification DCC FP 102 QCF (i.e., found inoperable between surveillances, will require compensatory firewatches, etc.). Also, a formal surveillance program per the requirements of Technical Specification 4.7.10.1.c will be in place by September 15, 1989 for seismic/expansion gap seals.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
D.C. Cook - Unit 1	0 5 0 0 0 3 1 5	8 9	0 1 0	0 0	0 2	OF	0 3

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

Conditions Prior to Occurrence

Unit 1 in Mode 1 at 32 percent rated thermal power. Unit 2 in Mode 1 at 100 percent rated thermal power.

Description of Event

On July 5, 1989 during the review of installation specification/surveillance requirements, it was determined that 414 seismic/expansion gap seals (EIIS/NF-SEAL), which had not previously been considered to have required Technical Specification Surveillance, should have been included in the formal fire seal inspection program as required by Technical Specification Surveillance 4.7.10.1.c. The surveillance requires that the operability of each type of required fire rated penetration seals be verified by performing a visual inspection of at least 10 percent of each type of sealed penetration at least once per 18 months.

Presently there are two Specifications for the installation of fire seals, DCC FP 101 QCN and DCC FP 102 QCF. Prior to July 5, 1989, the fire barrier silicone type foam penetration seals installed under Specification DCC FP 101 QCN were considered the only seals requiring inspection per Technical Specification Surveillance 4.7.10.1.c. As a result of this determination, the seismic/expansion gap seals installed under Specification DCC FP 102 QCF for seismic deflection, expansion and non-load bearing gaps were not recognized as requiring Technical Specification Surveillance.

Prior to the determination that the seismic/expansion gap seals were required to be inspected a walkdown of the seismic/expansion gap seals was performed (May 26 through June 9, 1989) to verify as-built drawings and determine the status of the gap seals. The applicable seismic/expansion gap seals installed were given a thorough visual and engineering review during this walkdown and based on the results of these evaluations, confirmed to be operable per Technical Specification requirements 4.7.10.1.c.

There were no failed components which contributed to this event.

Cause of Event

The cause of this event was the original determination that the seals installed under Specification DCC FP 101 QCN were the only seals requiring surveillance under the requirements of Technical Specification 4.7.10.1.c.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

Analysis of Event

This event is considered reportable per the requirements of 10 CFR 50.73 (a) (2) (i) (B). Although no formal surveillance documentation exists, the plant has maintained seismic/expansion gap seals as installed. As part of the general review of fire barriers required by Technical Specification 4.7.10.1.a, any defects in the seals were identified and repaired. During the May 26 through June 9 walkdown of the seismic/expansion gap seals, all applicable gap seals were inspected and determined to be operable per the surveillance requirements. Based on the above, it is concluded that this event did not: 1) constitute a significant hazard to the health and safety of the public and; 2) involve an unreviewed safety question as defined in 10 CFR 50.59.

Corrective Action

The engineering review conducted during the May 26, through June 9, 1989 seal walkdown found all seals operable per Technical Specification 4.7.10.1.c. The plant will apply the provisions of Technical Specifications to those seismic/expansion gap seals specified in Specification DCC FP 102 QCF (i.e., found inoperable between surveillances, will require compensatory fire watches, etc.). Also, a formal surveillance program per the requirements of Technical Specification 4.7.10.1.c will be in place by September 15, 1989 for seismic/expansion gap seals.

Failed Component Identification

None.

Previous Similar Events

LER 50-315/87-018-00: Fire Rated Assemblies and Dampers Inoperable Due to Incorrect Application of Surveillance Requirement for Inspecting Fire Seals.