

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) EDWIN I. HATCH, UNIT I	DOCKET NUMBER (2) 0 5 0 0 0 3 2 1	PAGE(S) 1 OF 0 3
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TITLE (4)
PERSONNEL ERROR CAUSES FAILURE TO TEST RADIOACTIVE SOURCE

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	1	3	1	8	6	8	6	-	0	0	8	-	0	0	3	2	1	1	OF	0	3
0 1 3 1 8 6			8 6 - 0 0 8 - 0 0			0 3 2 1			E. I. HATCH, UNIT II		0 5 0 0 0 3 6 6										
0 1 3 1 8 6			8 6 - 0 0 8 - 0 0			0 3 2 1					0 5 0 0 0 1 1 1										

OPERATING MODE (9) 5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)										
POWER LEVEL (10) 0 0 0	20.402(b)		20.406(c)		50.73(a)(2)(iv)		73.71(b)				
	20.406(a)(1)(i)		50.36(e)(1)		50.73(a)(2)(v)		73.71(e)				
	20.406(a)(1)(ii)		50.36(e)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
	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 Raymond D. Baker, Nuclear Licensing Manager - Hatch							TELEPHONE NUMBER 4 0 4 5 2 6 - 7 0 1 6		

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUF. TURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUF. TURER	REPORTABLE TO NPROS

SUPPLEMENTAL REPORT EXPECTED (14)							EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
<input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input type="checkbox"/> NO							0 5 0 1		8	6	

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

On 01/31/86, Unit 1 was shutdown for refueling with no fuel in the vessel, and Unit 2 was operating at 2067 MWt (approximately 85% of rated thermal power). At approximately 1200 CST that day, while performing a supervisory review of the plant's radioactive source records, plant personnel determined that the 200 curie CESIUM-137 source (used as a standard for instrument calibration) had not been leak/contamination tested on a six-month frequency as required by Unit 1 Technical Specifications Section 4.8.A.1.a and Unit 2 Technical Specifications Section 4.7.5.2.a. Additional investigation showed that three other sources were not being tested as required.

The sources were promptly satisfactorily leak/contamination tested per the "LEAK TESTING OF SOURCES" procedure (62RP-RAD-007-0) following discovery on 01/31/86 and 02/26/86.

This event is the result of non-licensed utility personnel error in that the sources were not added to the leak testing schedule when they were received on site. The sources were added to the schedule on 01/31/86 and 02/26/86.

Leak testing demonstrated that source leakage/contamination was within the limits of Unit 1 Technical Specification Section 3.8.A.1 and Unit 2 Technical Specification Section 3.7.5. Therefore, this event did not adversely affect plant safety or the health and safety of the public.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

This 30 day LER is required by 10CFR 50.73(a)(2)(1)(B) because this event resulted in Unit operation contrary to the requirements of Unit 1 Technical Specifications Section 4.8.A.1.a and Unit 2 Technical Specifications Section 4.7.5.2.a (i.e., four sealed radioactive sources were not being leak/contamination tested on a six-month frequency).

On 01/31/86, Unit 1 was shutdown for refueling with no fuel in the vessel, and Unit 2 was operating at 2067 MWt (approximately 85% of rated thermal power). At approximately 1200 CST that day, while performing a supervisory review of the plant's radioactive source records, plant personnel determined that the 200 curie CESIUM-137 source (used as a standard for instrument calibration) had not been leak/contamination tested on a six-month frequency as required by Unit 1 Technical Specifications Section 4.8.A.1.a and Unit 2 Technical Specifications Section 4.7.5.2.a.

Further investigation determined that the 200 curie cesium source had not been leak/contamination tested per the "LEAK TESTING OF SOURCES" procedure (62RP-RAD-007-0) since it was received on 07/09/84. However, the source was smeared for leakage/contamination prior to initial use on 07/10/84 and met the limits of the Technical Specifications.

After it was determined that the cesium source had not been leak/contamination tested within the time limit of Unit 1 Technical Specifications Section 4.8.A.1.a and Unit 2 Technical Specifications Section 4.7.5.2.a, the source was promptly satisfactorily leak/contamination tested per procedure 62RP-RAD-007-0 on 01/31/86.

Subsequent to determining (on 01/31/86) that the 200 curie CESIUM-137 source had not been leak/contamination tested on a six month frequency, additional investigation determined that the following sealed radiation sources had not been leak/contamination tested on a six month frequency:

SOURCE	ACTIVITY	DATE RECEIVED	LAST TEST DATE
PLUTONIUM-BERYLLIUM	9 curies	10/26/82	10/26/84 by Hatch
CESIUM-137	127 millicuries	11/29/84	11/12/84 by Vendor
CESIUM-137	150 millicuries	03/15/83	03/04/83 by Vendor

The above sources were satisfactorily leak/contamination tested per procedure 62RP-RAD-007-0 on 02/26/86.

These events are the result of non-licensed utility personnel error in that they were not added to the leak testing schedule when they were received on site. When the sources were received on site, they were accounted for as required by Unit 1 Technical Specifications Section 3.8.A.2 and by the "ACCOUNTABILITY OF RADIOACTIVE SOURCES" procedure (62-RP-RAD-035-0). However, personnel failed to comply with the step in that procedure which directs them to test the source per 62RP-RAD-007-0.

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

In order to prevent recurrence of this event, the sources were added to the leak test schedule per procedure 62RP-RAD-007-0. This will assure that the six month leak/contamination testing requirements of the Technical Specifications are met for these sources in the future. Additionally, the responsible individual was counselled concerning this event and the consequences thereof. Investigation is still under way to determine the long term corrective actions to be taken. This corrective action will be reported in an update report.

The sources were satisfactorily tested on 01/31/86 and 02/26/86, thus demonstrating that the source leakage/contamination was within the limits of Unit 1 Technical Specification Section 3.8.A.1 and Unit 2 Technical Specification Section 3.7.5. Therefore, this event did not adversely affect plant safety or the health and safety of the public.

There have been no previously reported events where a sealed radioactive sources have not been leak tested per Technical Specification requirements.

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L. T. Gucwa
Manager Nuclear Safety and
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February 28, 1986

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

Attached is Licensee Event Report 50-321/1986-008. This report meets the reporting requirements of 10 CFR 50.73(a)(2)(i)B.

Very truly yours,

for L. T. Gucwa

CBS/lc

Attachment

c: Mr. J. T. Beckham, Jr.
Mr. H. C. Nix, Jr.
NRC-Region II
GO-NORMS

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