

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) EDWIN I. HATCH, UNIT I										DOCKET NUMBER (2) 0 5 0 0 0 3 2 1										PAGE (3) 1 OF 0 3																													
TITLE (4) Pre-Planned Alternate Monitoring Method Did Not Meet Tech. Specs. Requirements																																																	
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 E. I. HATCH, UNIT II										DOCKET NUMBER(S) 0 5 0 0 0 3 6 6												
0 8			0 9			8 5			8 5			0 2			9 0			0 8			2 0			8 5													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) 1 0 0										20.402(b)										20.406(c)										50.73(a)(2)(iv)										73.71(b)									
										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)										<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 366A)									
										20.406(a)(1)(iii)										<input checked="" type="checkbox"/> 50.73(a)(2)(i)										50.73(a)(2)(viii)(A)										SPECIAL REPORT									
										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 Steven B. Tipps, Superintendent of Regulatory Compliance																				TELEPHONE NUMBER 9 1 2 3 6 7 7 8 5 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																						
B			I P			M P N K P			2 0			N																																					
SUPPLEMENTAL REPORT EXPECTED (14)																																																	
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)																				<input checked="" type="checkbox"/> NO										EXPECTED SUBMISSION DATE (15)																			
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																																																	
<p>On 08/06/85 at approximately 1722 CDT, plant personnel performed the "CALIBRATION OF KAMAN SYSTEMS USING RADIOACTIVE GASES" procedure (42SP-CAL-001-0) and determined that the following instruments could not detect or measure noble gas concentrations above 1 E3 micro Curies/cc: the Main Stack Post-Accident Effluent Monitor, the Unit 1 Reactor Building Vent Plenum Post-Accident Effluent Monitor, and the Unit 2 Reactor Building Vent Plenum Post-Accident Effluent Monitor. The plant was unable to meet the 1 E3 micro Curies/cc to 1 E5 micro Curies/cc range requirements of Unit 1 Tech. Specs. Table 3.2-11, Item 16 and 17. The plant initiated the pre-planned alternate method of monitoring noble gas concentrations within 72 hours as required by Unit 1 Tech. Specs. Table 3.2-11, NOTE g and Hatch Unit 2 Technical Specifications Table 3.3.6.4-1, NOTE b).</p> <p>However, on 08/15/85 at approximately 0845 CDT, plant personnel determined that the pre-planned alternate method of monitoring noble gas concentrations did not meet the range requirements either. The plant had been operating in a condition contrary to the requirements of Tech. Specs.</p> <p>The cause of this event was non-licensed personnel error.</p> <p>On 08/16/85 at approximately 0845 CDT, a new alternate method of monitoring noble gas concentrations which met the applicable range requirements had been installed and calibrated.</p> <p>This report also meets the special reporting requirements of Unit 1 Tech. Specs. Table 3.2-11, NOTE g.2. and Unit 2 Tech. Specs. Table 3.3.6.4-1, NOTE b.2.</p>																																																	

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
EDWIN I. HATCH, UNIT 1	0 5 0 0 0 3 2 1	8 5	— 0 2 9	— 0 0 0	2	OF	0 3

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

This event is reportable per 10CFR50.73(a)(2)(i) because the plant (both units) was operating in a condition contrary to the requirements of Tech. Specs.

Before and during this event both Units were in steady-state operation at approximately 2436 MWt (i.e., 100% power).

On 08/06/85 at approximately 1722 CDT, plant personnel performed the "CALIBRATION OF KAMAN SYSTEMS USING RADIOACTIVE GASES" procedure (42SP-CAL-001-0) and determined that the following instruments could not detect or measure noble gas concentrations above 1 E3 micro Curies/cc: the Main Stack Post-Accident Effluent Monitor, the Unit 1 Reactor Building Vent Plenum Post-Accident Effluent Monitor, and the Unit 2 Reactor Building Vent Plenum Post-Accident Effluent Monitor. The plant was unable to meet the 1 E3 micro Curies/cc to 1 E5 micro Curies/cc range requirements of Unit 1 Tech. Specs. Table 3.2-11, Item 16 and 17. The plant initiated the pre-planned alternate method of monitoring noble gas concentrations within 72 hours as required by Unit 1 Tech. Specs. Table 3.2-11, NOTE g and Hatch Unit 2 Technical Specifications Table 3.3.6.4-1, NOTE b). The Kaman Radiation Monitors for Unit 1 and Unit 2 were able to detect and measure noble gas concentrations up to 1 E3 micro Curies/cc.

However, on 08/15/85 at approximately 0845 CDT, plant personnel determined that the pre-planned alternate method of monitoring noble gas concentrations did not meet the range requirements either. The plant had been operating in a condition contrary to the requirements of Tech. Specs., since the pre-planned alternate method was not adequately established within the 72 hour time frame. Following discovery that the plant was not in compliance with the requirement to begin the pre-planned alternate method of monitoring within 72 hours, plant personnel placed Unit 2 in a 30-day LCO as required by Tech. Specs. 3.3.6.4, ACTION a (i.e., NOTE no LCO is required by Tech. Specs. for Unit 1).

The operation of both units contrary to the requirements of Tech. Specs. was caused by non-licensed personnel error in that the personnel responsible for the pre-planned alternate method of monitoring did not ensure that the method designated satisfied the applicable requirements.

On 08/16/85 at approximately 0845 CDT, plant personnel established a new alternate method of monitoring which meets the applicable requirements.

The responsible personnel were made aware of the cause of the event and the consequences thereof.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

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

The cause of the failure of the primary method of monitoring being unable to meet the applicable requirements (this part of the report meets the Special Report requirement) was due to design error. Specifics are as follow:

1. The high-range noble gas detector for each monitor (Kaman model KMG-HRH) saturates in noble gas concentrations above 1 E3 micro Curies/cc.
2. The high-range noble gas detector would saturate and fail to detect noble gas concentrations above 1 E3 micro Curies/cc preventing the monitoring from being able to meet the 1 E3 micro Curies/cc to 1 E5 micro Curies/cc range as required.

Kits have been ordered to modify the high-range noble gas detection for each Kaman model KMG-HRH. This modification will bring the monitors into compliance with the applicable requirements. The modification kits should arrive by 04/15/86 and be installed and functionally tested by 05/01/86.

This event did not affect the safety of the plant nor did it affect the health and safety of the public. There are no known previous similar events.

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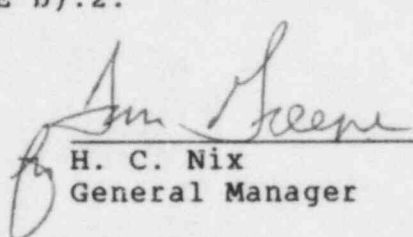
Edwin I. Hatch Nuclear Plant

August 20, 1985
GM-MGR-068-0885

PLANT E. I. HATCH
Licensee Event Report
Docket No. 50-321

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Attached is Licensee Event Report No. 50-321/1985-029. This report is required by 10CFR50.73(a)(2)(i). This report also satisfies the Special Report reporting requirements of Hatch Unit 1 Technical Specifications Table 3.2-11, NOTE g.2. and Hatch Unit 2 Technical Specifications Table 3.3.6.4-1, NOTE b).2.


H. C. Nix
General Manager

HCN/SBT/vl2

xc: NRC Region I
Letter File (2)
Document Control

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