

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Haddam Neck										DOCKET NUMBER (2) 0 5 0 0 0 2 1 1 3					PAGE (3) 1 OF 0 2										
TITLE (4) Spurious Load Runback																									
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	2	6	8	5	8	5	0	1	9	0	0	0	8	2	3	8	5	0	5	0	0	0		
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																							
1		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)													
POWER LEVEL (10)		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)		73.71(c)													
0 1 8 5		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)													
		20.405(a)(1)(iii)				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 David W. Mazzarella, Engineer										TELEPHONE NUMBER															
										AREA CODE															
										2 0 3		2 6 7 1 - 2 5 5 6													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS															
X	I	G	A	M	P	W	1	1	2	0	Y														
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 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On 7/26/85 with the plant in Mode 1, a power reduction was being performed for maintenance. Once during the power reduction, and once during the power ascension, Excore Nuclear Instrumentation Power Range Channel 33 spiked causing actuation of the dropped rod load runback circuit (Reactor Protection System).

The cause of the failure was the gain adjustment potentiometer for this NIS channel. The gain potentiometer was being adjusted by an operator when the signal failed in both cases. The load runbacks were terminated manually upon recognition of the spurious condition. When the plant was returned to 100% power, the channel was removed from service and the gain potentiometer was replaced.

The gain potentiometer in Channel 34 failed on 6/24/85 and was replaced. The gain potentiometer on the remaining channels (31 and 32) will be replaced during the next refueling shutdown.

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(11)

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			
Haddam Neck	0 5 0 0 0 2 1 3	8 5	— 0 1 9	— 0 0	0 2	OF	0 2

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

On 7/26/85 at 1737 hours, plant power was 84.5% and being reduced for maintenance. An operator was adjusting one of four Excore Nuclear Instrumentation System (EIIIS System Code: IG) Power Range Instruments (Channel 33) when the channel spiked causing actuation of the dropped rod load runback circuit (5% decrease of power in less than two seconds). The spurious condition was recognized and the load runback was terminated manually by resetting Channel 33.

On 7/27/85 at 2224 hours, the plant was at 75% power with a power ascension to 100% in progress. An operator was adjusting the gain of Channel 33 the channel spiked again. This load runback was terminated manually also.

The NIS power range instrument indicators are manually adjusted periodically to keep indicated power equal to calculated thermal power which is provided by the plant computer.

Root Cause

The failure was caused by the gain adjustment potentiometer which is used to adjust the indicated power. The faulty pot was tested and found to have a spot in the adjustment range where it didn't hold its value.

The NIS power range equipment is supplied by Westinghouse (W120) model no. 991D084G02.

Reportability

This event is reportable under 10CFR50.73(a)(2)(iv) since it involved the actuation of the Reactor Protection System.

Corrective Action

The gain potentiometer on this drawer was replaced after the plant returned to 100% power. The gain potentiometer on NIS Channel 34, which failed on 6/26/85, was recently replaced. The gain potentiometers on the remaining instruments will be replaced during the next refueling outage.

Similar Occurrences

Failure of the gain potentiometer in Channel 34 was reported in IER 50-213/85-015.



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

RR#1 • BOX 127E • EAST HAMPTON, CONN. 06424

August 23, 1985

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

Reference: Facility Operating License No. DPR-61
Docket No. 50-213
Reportable Occurrence LER 50-213/85-019-00

Gentlemen:

This letter forwards the Licensee Event Report 85-019-00, required to be submitted within thirty days, pursuant to the requirements of Connecticut Yankee Technical Specifications.

Very truly yours,

Richard H. Graves
Station Superintendent

RHG:DWM/dfv

Attachment: LER 85-019-00

cc: Dr. T. E. Murley, Region I

IE22
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