

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Indian Point Unit 3	DOCKET NUMBER (2) 0 5 0 0 0 2 8 6	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
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TEXT (If more space is required, use additional NRC Form 368A's) (17)

On May 8, 1984, with the reactor operating at 100 percent power, monthly surveillance test 3PT-M1 (Nuclear Power Range) indicated a failure in Channel 41. Technical Specifications 2.3.1.B.(4) and 2.3.1.B.(5), which describe the trip setpoints for overtemperature and overpower delta-T respectively, include a penalty on these setpoints based upon the delta-I, or measured flux difference. For an indicated flux difference of +54 percent, a penalty of no less than 7.90 volts on the instrumentation is required. The measured penalty at this point was 7.64 volts, which is below the specified minimum. Therefore, this event is reportable under 10CFR50.73(a)(2)(i).

It should be noted, however, that under no circumstances would the plant ever be operable at this high a delta-flux. Not only does Technical Specifications 3.10.2.4 through 3.10.2.7 strictly control delta-flux limits, but the design of the cycle 4 core is such that a delta-flux of +54 percent is extremely unlikely. Furthermore, even taking the measured non-conservative reading into account, operation at a high delta-flux would produce a large enough f(delta-I) penalty to trip the reactor on overpower delta-T long before a reading of +54 percent was reached.

The remaining eleven test points gave acceptable results on the surveillance test. Channel 41 NIS static gain unit (Foxboro, Model No. DQ) was readjusted such that the f(delta-I) margin returned to an acceptable value. The event was caused by instrument drift.

Performance of the reactor was not affected by this incident. Similar events occurred on June 27, 1978 (LER 78-012/03L-0), September 28, 1977 (RO-77-3-16(B)), November 25, 1976 (RO-76-3-46(B)), November 30, 1976 (RO-76-3-43(B)) and October 29, 1976 (RO-76-3-42(B)). It should be noted that this is the first failure of this type in nearly six years.

Indian Point 3
Nuclear Power Plant
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June 6, 1984
IP-FWG-2554

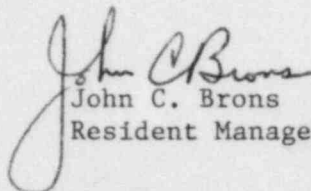
Docket No. 50-286
License No. DPR-64

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

Dear Sir:

The attached Licensee Event Report LER 84-007-00 is hereby submitted in accordance with the requirements of 10CFR50.73. This event is of the type defined in Paragraph 50.73(a)(2)(1).

Very truly yours,


John C. Brons
Resident Manager

FWG/bam
Attachment

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