NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Point Beach Unit 2	0 5 0 0 0 3 0 1	1 OF 0 2

TITLE (4)
Nuclear Instrumentation 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 5	1 6	8 5	8 5	0 0 1	0 0	0 6	1 7	8 5		0 5 0 0 0
										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)			
N		20.402(b)	20.405(c)	X 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)
1 0 0		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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
C. W. Fay, Vice President - Nuclear Power	AREA CODE 4 1 4 — 2 7 7 - 2 8 1 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)

At 1406 hours on May 16, 1985, Unit 2 experienced a 20% runback from 100% power. The power range nuclear instrumentation sensed a voltage spike and reacted by activating the dropped rod turbine runback. The voltage spike occurred after a jumper was inadvertently grounded during instrument calibration on the instrument bus feeding the power range nuclear instrumentation. All equipment responded as designed.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Point Beach Unit 2	0 5 0 0 0 3 0 1	8 5	— 0 0 1	— 0 0	0 2 OF 0 2

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

On May 16, 1985, at 1406 hours, Unit 2 at the Point Beach Nuclear Plant experienced a 20% runback from 100% power. The alarm received was a dropped rod turbine runback. The runback was initiated by Channel 44 of the power range nuclear instrumentation. This is one of four channels monitoring the power level of the reactor. Channel 44 of the power range instrumentation sensed a negative voltage spike. This voltage spike was initiated by the grounding of a jumper being used to calibrate the hydrogen analyzer for the Unit 1 containment. Components of the hydrogen analyzer are powered by the yellow instrument bus with Channel 44 of the power range nuclear instrumentation. When the jumper being used for calibration of the hydrogen analyzer was grounded momentarily, the voltage fluctuation was sensed by the nuclear instrumentation as a rod drop. The instrument technician reported the incident to the control room immediately after the jumper was shorted to ground. All equipment required to operate during a runback of this type operated as designed.

Procedure & System Modifications Made

Calibration of the hydrogen analyzer was being done according to procedure. The procedure has been reviewed and the method of application of the jumper has been changed to prevent the type of incident that resulted in the runback.

A modification is in progress to better separate the trains of power for hydrogen analyzer components on the unit-specific instrument bus. This should also prevent an event on one unit while working on a system on the non-operating opposite unit. This modification would also include the installation of a jumper type which is more positive than the alligator clips used in this instance.

Power Level History During the Event

The runback occurred at 1406 hours. Immediately after the runback and resultant rod insertion a low-low rod insertion limit alarm was received. The Control Operator began boration immediately to clear the alarm. Since the reason for the runback was known and confirmed and the Power System Supervisor had been consulted, the unit was started back up to 100% power at 1412 hours.

DMB

Wisconsin Electric POWER COMPANY
231 W. MICHIGAN, P.O. BOX 2046, MILWAUKEE, WI 53201

VPNPD-85-6
NRC-85-4

June 17, 1985

Mr. J. G. Keppler, Regional Administrator
Office of Inspection and Enforcement,
Region III
U. S. NUCLEAR REGULATORY COMMISSION
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

DOCKET NO. 50-301
LICENSEE EVENT REPORT NO. 85-001-00
NUCLEAR INSTRUMENTATION RUNBACK
POINT BEACH NUCLEAR PLANT, UNIT 2

Enclosed is a Licensee Event Report No. 85-001-00 for Unit 2 which provides a description of a nuclear instrumentation runback initiated by a voltage spike on an instrument bus. This is reportable in accordance with 10 CFR 50.73(a)(2)(iv), "Any event or condition that resulted in manual or automatic initiation of any engineered safety feature, including the reactor protection system".

Very truly yours,

C. W. Fay

Vice President-Nuclear Power

C. W. Fay

Enclosure

Copy to NRC Resident Inspector

JUN 18 1985

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