

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
BIG ROCK POINT PLANTDOCKET NUMBER (2)
0 5 0 0 0 1 5 5 1 OF 0 2TITLE (4)
REACTOR TRIP - UPSCALE/DOWNSCALE

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
1	1	85	85	008	00	1	2	85	NA

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)
POWER LEVEL (10)	20.402(b) <input checked="" type="checkbox"/> 20.405(e) <input checked="" type="checkbox"/> 80.73(a)(2)(iv) <input type="checkbox"/> 73.71(b) <input type="checkbox"/>
	20.405(a)(1)(i) <input type="checkbox"/> 80.38(e)(1) <input type="checkbox"/> 80.73(a)(2)(v) <input type="checkbox"/> 73.71(a) <input type="checkbox"/>
	20.405(a)(1)(ii) <input type="checkbox"/> 80.38(e)(2) <input type="checkbox"/> 80.73(a)(2)(vi) <input type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 308A) <input type="checkbox"/>
	20.405(a)(1)(iii) <input type="checkbox"/> 80.73(a)(2)(i) <input type="checkbox"/> 80.73(a)(2)(vii)(A) <input type="checkbox"/>
	20.405(a)(1)(iv) <input type="checkbox"/> 80.73(a)(2)(ii) <input type="checkbox"/> 80.73(a)(2)(vii)(B) <input type="checkbox"/>
	20.405(a)(1)(v) <input type="checkbox"/> 80.73(a)(2)(iii) <input type="checkbox"/> 80.73(a)(2)(ix) <input type="checkbox"/>

LICENSEE CONTACT FOR THIS LER (12)
NAME: Robert J Alexander, Technical Engineer, Big Rock Point
TELEPHONE NUMBER: 616 547 - 6537

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
C	I G	I I	G 0 8 0	N	C	I G	C R L 2	R 0 9 8	N
C	I G	D E T	G 0 8 0	N					

SUPPLEMENTAL REPORT EXPECTED (14)
☐ YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

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

On November 14, 1985, during a normal reactor shutdown for maintenance, an upscale/downscale reactor protection system (RDS) actuation occurred. Power level at the time of the trip was less than .1 percent and all remaining control rods still switchdrawn, successfully inserted. Electrical noise had caused the trip.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
BIG ROCK POINT PLANT	05000155	85	008	00	02	OF	2

TEXT (If more space is required, use additional NRC Form 305A's) (17)

Description

Reference: Licensee Event Reports (LER)

84-004 Upscale/Downscale Scram

84-006 Spurious RPS Trip

84-008 Upscale/Downscale RPS Actuation

85-001 Reactor Trip - Upscale/Downscale

85-003 Reactor Trip - Upscale/Downscale

With the plant in a normal reactor shutdown for maintenance, reactor power was being reduced as rods were inserted. Three just prior to the time of the trip, both Channel 2 and 3 picoammeters reached the downscale condition as neutron flux decreased. As the operator downranged Channel 2 range switch, Channel 2 indication spiked high in the process. This, combined with Channel 3 indicating downscale, resulted in an upscale-downscale trip.

Cause

The cause of the trip is attributed to susceptibility of the picoammeters to electrical noise at low neutron flux levels.

Conclusions

There were no adverse safety consequences of this event, since the challenge to the RPS was successful and reactor power was very low.



Consumers
Power
Company

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0550

December 16, 1985

US Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 - BIG ROCK POINT PLANT -
LICENSEE EVENT REPORT 85-008 - REACTOR TRIP - UPSCALE/DOWNSCALE

Licensee Event Report (LER) 85-008 is attached. This event is reportable
to the NRC per 10CFR50.73(a)(2)(iv).

Brian D Johnson
Staff Licensing Engineer

CC Administrator, Region III, USNRC
NRC Resident Inspector - Big Rock Point

Attachment

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