BIG ROCK POINT PLANT

NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | M I B R P 1 (2) LICENSEE CODE | 0 0 - 0 0 0 0 0 - 0 0 (3) LICENSE NUMBER | 4 1 1 1 1 (4) LICENSE TYPE | (5) CAT

CON'T 01 | REPORT SOURCE L (6) | 0 5 0 - 0 1 5 5 (7) DOCKET NUMBER | 1 2 1 9 8 0 (8) EVENT DATE | 1 2 3 0 8 0 (9) REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During inspection of electrical equipment required to operate in a LOCA
03 environment, about 150 splices and 5 terminal blocks were found which are
04 of questionable qualification. The splices are in small size wiring used
05 for power supply, control and signal circuits located in the reactor
06 containment building. No hazard to the public occurred. Splicing defects
07 were previously identified in RO 78-045. Reportability is based on Techni-
08 cal Specifications 6.9.2.a(9).

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP SUBCODE	VALVE SUBCODE
09	E D (11)	B (12)	A (13)	E L E C O N (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 0	—	0 4 8	/	0 1	T	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	A (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	A (25)	X 9 9 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The majority of these splices date back to original plant construction in
11 1962 and modification work about 1971. The splices will be repaired using
12 crimped in-line sleeves and heat shrink type covering. The splices and
13 short lengths of questionable wiring and five 1971 vintage terminal blocks
14 will be repaired or replaced prior to plant startup.

15 FACILITY STATUS G (28) | % POWER 0 0 0 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY C (31) | DISCOVERY DESCRIPTION (32) Special Inspection by contractor

16 ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

PERSONNEL EXPOSURES

17 NUMBER 0 0 0 (37) | TYPE Z (38) | DESCRIPTION (39) NA

PERSONNEL INJURIES

18 NUMBER 0 0 0 (40) | DESCRIPTION (41) NA

LOSS OF OR DAMAGE TO FACILITY (43)

19 TYPE Z (42) | DESCRIPTION NA

PUBLICITY

20 ISSUED N (44) | DESCRIPTION (45) NA | NRC USE ONLY

8101060674

Attachment to LER 80-048-01T-0

Consumers Power Company
Big Rock Point Plant
Docket 50-155 - License DPR-6

An inspection was conducted by contractor personnel (Bechtel) to inspect wiring inside covered fittings and boxes to determine qualification to meet DOR guidelines for hostile (LOCA) environment. Approximately 150 splices and some short lengths of wiring and five (5) terminal strips were found which are of questionable qualification. The circuits involved serve devices (valves, instruments, and control switches) for equipment essential for emergency core cooling and the construction techniques date back to original plant construction in 1962 and/or the addition of the back-up core spray system in 1971. Evaluation of the need to repair splices in the scram pilot valve solenoid circuits is still in progress.

The short lengths of wiring at the devices and the five terminal blocks (manufactured by Stanwick) will be replaced by qualified wiring and terminal blocks (manufactured by States Co). The bolted or soldered splices covered by tape will be replaced by crimped in-line splicing sleeves and covered by Raychem Co shrink fit sleeving. Repairs are expected to start about January 5, 1981, and will be completed prior to plant startup estimated for late January, 1981.

No hazard to the public occurred and this item is deemed reportable based on Technical Specifications 6.9.2.a(9).