NRC FOF (7-77)	ORM 366	U. S. NUCLEAR REGULATOR I COMMISSION
•		TYPE ALL REQUIRED INFORMATION
	N C B E P 2 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 - 0 0 0 0 0 - 0 0 0 0 0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 4 1 1 1 1 3 4 57 CAT 58 5
	REPORT L 6 0 5 0 - 0 3 2 4 7 1 2 1 2 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE	8 0 8 0 4 1 5 8 1 9 74 75 REPORT DATE 80
02	EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During a normal reactor startup, when rod 26-35 was ful	ly withdrawn "full-out"
03	position indication could not be achieved. The rod was	bypassed in the Rod Sequence
[0]4 [Control System (RSCS), in accordance with technical specifications, in order to allow ]		
05	continuation of the startup. This event did not affect	the health or safety of the
0 6	public.	
0 7		
08	Technical Specification 3.1.3.7, 6.	9.1.9b
10 3	B 9 SYSTEM CAUSE CAUSE CODE CODE SUBCODE COMPONENT CODE	SUBCODE SUBCODE
7 8	B 9 10 11 12 13 1 SEQUENTIAL OCCURRE CODE	
8.33	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	29 30 31 32
	ACTION FUTURE EFFECT SHUTDOWN HOURS ATTACHMENT   TAKEN ACTION ON PLANT METHOD HOURS 22 ATTACHMENT   A (18) Z (19) Z (20) Z (21) 0 0 0 Y (23)	PRD-4 PRIME COMP. COMPONENT FORM SUB. SUPPLIER MANUFACTURER
	CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)	
10	- A defective light isolator Model No. 708D2270003 loca	ted in the rod group auxiliary
11	buffer board circuitry, prevented the rod switching tra	nsistor, Q2, from conducting.
12	The light isolator was replaced and the Q2 circuit was	verified for proper operation.
113	The rod reed switch "full-out" position was declared op	erable and the rod was returned
14	to normal RSCS control.	80
7 8	FACILITY N POWER OTHER STATUS 30 METHOD OF C 28 0 0 0 29 NA A 31	Operational Event
	8 9 10 12 13 44 45 46   RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) 35 12 13 14 45 46   5 2 (33) 2 (34) NA NA NA	LOCATION OF RELEASE
7 8	8 9 10 11 44 45	80
17	7 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80
1 8		80
7 8	8 9 11 12 LOSS OF OR DAMAGE TO FACILITY (1) TYPE DESCRIPTION	
1 9	9 Z Q NA	80
20	ISSUED DESCRIPTION 45	
7 8	8 9 10 M I Pastura Ir	68 69 80.5 PHONE: 919-457-9521
1049	1280645	

Facility: BSEP Unit No. 2

and a

Event Date: 12-12-81

From a review of past similar events, it has been determined that of the approximate 7,000 control rod reed switches and associated circuitry utilized in each unit, less than five total events involving this circuitry are reportable each year. Due to the low failure rate compared to the high number in use, the failure of the light isolator is considered an isolated event requiring no further corrective action.