

LICENSEE EVENT REPORT

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

0	1	A	L	J	M	F	2	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5	
7	8	9					14	15											25	26							30	37	CAT	58
LICENSEE CODE		LICENSE NUMBER																		LICENSE TYPE					CAT					

CON'T

REPORT SOURCE	L	6	0	5	0	0	0	3	6	4	7	1	0	2	5	3	3	8	1	1	2	8	8	3	9
	60	61	DOCKET NUMBER										68	EVENT DATE					74	REPORT DATE					80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 At 1307 on 10/25/83, it was determined that the high flux trip setpoint associated

03 | with intermediate range detector N-36 was set at 32.4% of rated thermal power.

04 | Tech. Spec. 2.2.1, in part, requires this setpoint to be less than or equal to

05 | 30% of rated thermal power. Tech. Spec. 2.2.1 action statement requirements were

06 met. Health/safety of the public was not affected.

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

0 9 11 12 13 14 15 16

7 8 9 10 11 12 13 14 15 16 17 18 19 20

LER/RD REPORT NUMBER	EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
(17) [8 3]	[]	[0 5 3]	[/ 0 3]	[L]	[0]
21 22	23	24 25 26	27 28 29	30 31	32
ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED
[X]	[G]	[Z]	[Z]	[0 0 0 0]	[Y]
(18) (19)	(20)	(21)	(22)	(23)	(24)
33 34	35	36	37 38 39 40	41 42	43
PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER				
[7]	[Z 9 9 9]				(26)
(25)					
44	45	46	47 48 49 50	51 52	53

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 This event was caused by procedural inadequacy. During the Cycle II-III refueling

1 1 (1) a low leakage core loading pattern was utilized for the first time and (2)

1 2 intermediate range nuclear instrument detectors were replaced. As a result,

1 3 intermediate range rod stop setpoints were too conservative to permit normal

1	4
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 | overlap between the intermediate range and the power range. (see attachment)

FACILITY STATUS				% POWER				OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
1	5	F	(28)	0	3	1	(29)	NA	(30)	A	(31)	Operational Event	(32)

ACTIVITY		CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
1	6	Z	(33)	Z	(34)	NA	(35)	NA	(36)

PERSONNEL EXPOSURES				39
NUMBER		TYPE	DESCRIPTION	
1	7	0	0	0
		0	(37)	Z
			(38)	NA

PERSONNEL INJURIES
NUMBER DESCRIPTION (41)

1	8	0	0	0	(40)	NA	0010000100 001100
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1 9		Z	(42)	NA	PDR ADUCK 05000349 S PDR	NO
LOSS OF OR DAMAGE TO FACILITY		TYPE		(43)	DESCRIPTION	

PUBLICITY
 ISSUED DESCRIPTION (45)

2 0 | N | (44)

NA

NRC USE ONLY

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (continued)

Upon successful completion of low power physics testing, the 20% intermediate range rod stop was encountered at an indicated power level of 7.5%. At 1518 on 10-24-83 new 20% rod stop and 25% trip setpoints were extrapolated and implemented for both detectors. At 1605 on 10-24-83 power was increased to 10% where the intermediate range rod stop and reactor trips were blocked. On 10-25-83 at about 30% power, the first restart calorimetric was performed, showing that the reactor trip setpoint for channel N-36 had been slightly nonconservative. The setpoint error is attributed to limitations of low physics testing data accuracy coupled with uncertainties involving new detector response.

On 11-3-83 new 20% rod stop and 25% trip setpoints were calculated based upon the 30% power calorimetric and implemented. Procedures will be revised for calculating interim intermediate range setpoints for cases involving a core reconfiguration concurrent with a detector replacement.