

U. S. NUCLEAR RESEARCH COMMITTEE

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONT

0	1
7	9

REPORT SOURCE

L	6	0	5	0	0	0	3	4	6	7	0	8	0	5	8	1	8	1	0	3	0	8	1	9
60	61								68	69						74	75							80
DOCKET NUMBER										EVENT DATE										REPORT DATE				

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

(NP-32-81-03) On 8/5/81 at 0940 hours, C&HP personnel notified the Shift Supervisor that Reactor Coolant System (RCS) boron concentration had decreased from 1044 ppm to 970 ppm. Although this dilution did not violate the 1% $\Delta K/K$ shutdown margin, this did cause an apparent $\sim 0.9\%$ $\Delta K/K$ reactivity insertion which placed the unit in the circumstances described in T.S. 6.9.1.8.d. There was no danger to the health and safety of the public or station personnel. At no time did the boron concentration drop below the minimum required to maintain a 1% shutdown margin.

7	8	9	SYSTEM CODE		CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE					COMP. SUBCODE	VALVE SUBCODE											
0	9		C	B	11	D	12	Z	13	D	E	M	I	N	X	14	Z	15	Z	16				
7		8																						
			EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.													
17 LER-RO REPORT NUMBER			8	1		0	4	1	/	0	1	T		1										
ACTION TAKEN		FUTURE ACTION	EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUS.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER									
X	18	G	Z	20	Z	21	0	0	0	Y	23	N	24	Z	25	Z	9	9	9	26				
23	24		25		26		37		40	41		42		43		44				47				

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (7)

1	0	The apparent cause was the placing in service of a purification demineralizer which was
1	1	previously saturated at 432 ppm boron. Boric acid was added to bring the RCS to 1056
1	2	ppm at 1316 hours on 8/5/81. The shutdown procedure will be modified to ensure that a
1	3	boron dilution by an unsaturated demineralizer does not occur.

1	4											80					
7	8	9											80				
FACILITY STATUS			% POWER			OTHER STATUS			(30)	METHOD OF DISCOVERY			DISCOVERY DESCRIPTION (32)			80	
1	5	D	(28)	0	0	0	(29)	NA	(31)	B	Daily RCS boron sampling					80	
7	8	9	ACTIVITY CONTENT			RELEASED OF RELEASE			AMOUNT OF ACTIVITY (35)			LOCATION OF RELEASE (36)			80		
1	5	Z	(33)	Z	(34)	NA	(44)	NA	(45)						80		
7	8	9	PERSONNEL EXPOSURES			NUMBER			TYPE			DESCRIPTION (39)			80		
1	7	0	0	0	(37)	Z	(38)	NA	(41)						80		
7	8	9	PERSONNEL INJURIES			NUMBER			DESCRIPTION (41)						80		
1	8	0	0	0	(40)	NA	(43)								80		
7	8	9	LOSS OF OR DAMAGE TO FACILITY			TYFC			DESCRIPTION (43)						80		
1	9	Z	(42)	NA	(44)										80		
7	8	9	PUBLICITY			ISSUED			DESCRIPTION (45)						80		
2	0	N	(44)	NA	(45)										80		
7	8	9	PDR			ADDOCK			05000346			PDR			80		
													68	69			80

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PDR ADDCK 05000346
S PDR

NRC USE ONLY Y

Rich Chesko

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