LICENSEE EVENT REPORT

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

0 1	LICENSEE CODE (2)	M I D C C 2
	LICENSE NUMBER (3)	0 0 - 0 0 0 0 0 - 0 0
	LICENSE TYPE (4)	4 1 1 1 1
	CAT (5)	
CON'T 0 1	REPORT SOURCE (6)	L
	DOCKET NUMBER (7)	0 5 0 0 0 3 1 6
	EVENT DATE (8)	0 1 0 7 8 3
	REPORT DATE (9)	0 1 2 1 8 3

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 DURING A SURVEILLANCE TEST ON THE SPRAY ADDITIVE TANK FLOW RATE, BOTH EAST AND WEST
0 3 CONTAINMENT SPRAY PUMP EDUCTOR LINE FLOW RATES FROM THE SPRAY ADDITIVE TANK WERE
0 4 FOUND BELOW THE REQUIRED 20 GPM CONTRARY TO THE REQUIREMENTS OF TECHNICAL SPECIFI-
0 5 CATION 4.6.2.2.d. THE PUBLIC HEALTH AND SAFETY WERE NOT AFFECTED.
0 6
0 7
0 8

0 9	
SYSTEM CODE (11)	S H
CAUSE CODE (12)	D
CAUSE SUBCODE (13)	Z
COMPONENT CODE (14)	V A L V O P
COMP. SUBCODE (15)	A
VALVE SUBCODE (16)	Z

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 3	—	0 0 4	/	0 1	T	—	0

ACTION TAKEN (18)	FUTURE ACTION (19)	EFFECT ON PLANT (20)	SHUTDOWN METHOD (21)	HOURS (22)	ATTACHMENT SUBMITTED (23)	NPRD-4 FORM SUB. (24)	PRIME COMP. SUPPLIER (25)	COMPONENT MANUFACTURER (26)
E	Z	Z	Z	0 0 0 0	Y	N	N	A 2 0 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 INVESTIGATION REVEALED THAT THE LOW FLOW RATES FROM THE RWST TEST LINE TO THE
1 1 CONTAINMENT SPRAY PUMP EDUCTOR LINE WERE DUE TO THE CONTAINMENT SPRAY PUMP
1 2 EDUCTOR VALVES IMO-212 AND IMO-222 BEING PARTIALLY CLOSED. THE VALVES WERE FULLY
1 3 OPENED AND FLOW RATES WERE VERIFIED TO BE WITHIN THE ALLOWABLE TECHNICAL
1 4 SPECIFICATION LIMITS. (SEE ATTACHED SUPPLEMENT)

1 5	
FACILITY STATUS (28)	H
% POWER (29)	0 0 0
OTHER STATUS (30)	NA
METHOD OF DISCOVERY (31)	B
DISCOVERY DESCRIPTION (32)	SURVEILLANCE TEST

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

1 8	
NUMBER (40)	0 0 0
DESCRIPTION (41)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	
TYPE (42)	Z
DESCRIPTION	NA

8301280205 830121
PDR ADOCK 05000316
S PDR

PUBLICITY

2 0	
ISSUED (44)	N
DESCRIPTION (45)	NA

NRC USE ONLY

NAME OF PREPARER R. A. PALMER PHONE: 616/465/5901

LER # 83-004/01T-0

SUPPLEMENT TO CAUSE DESCRIPTION

INVESTIGATION REVEALED THAT THE LOW FLOW RATES FROM THE RWST TEST LINE TO THE CONTAINMENT SPRAY PUMP EDUCTOR LINE WERE DUE TO THE CONTAINMENT SPRAY PUMP EDUCTOR VALVES IMO-212 AND IMO-222 BEING PARTIALLY CLOSED. THE VALVES WERE FULLY OPENED AND FLOW RATES WERE VERIFIED TO BE WITHIN THE ALLOWABLE TECHNICAL SPECIFICATION LIMITS.

IT WAS FOUND THAT DURING PREOPERATIONAL TESTING, THE SUCTION SOURCE (CONTAINMENT RECIRCULATION SUMP) DID NOT ADEQUATELY SIMULATE THE EXPECTED SUCTION PRESSURE OF THE CONTAINMENT SPRAY PUMPS DURING AN ACTUAL CONTAINMENT SPRAY, WHEN THE SPRAY ADDITIVE TANK IS EXPECTED TO BE USED. THE LOW CONTAINMENT SPRAY PUMP SUCTION PRESSURE WHICH EXISTED FROM USING THE RECIRCULATION SUMP TO SET THE FLOW (20 GPM $\pm$1) THROUGH THE EDUCTOR RESULTED IN A NON-CONSERVATIVE EDUCTOR FLOW RATE. THE TECHNICAL SPECIFICATION REQUIRED EDUCTOR FLOW HAS SUBSEQUENTLY BEEN CHANGED BY AMMENDMENT 45 TO READ $\geq$ 20 GPM TO $\leq$ 50 GPM.

A SIMILAR FLOW CONDITION WAS REPORTED BY LER 050-316/78-024. THIS EVENT REPORTED THE INABILITY TO ESTABLISH FLOW THRU CHECK VALVE CTS-120E AS REQUIRED BY ASME SECTION XI. AT THAT TIME, IT WAS NECESSARY FOR THE EDUCTOR VALVES TO BE FULLY OPENED BY HAND. A RETEST OF THE CHECK VALVE WAS PERFORMED WHICH GAVE ACCEPTABLE RESULTS.