NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1 | M I D C C 2 (2) LICENSEE CODE | 0 0 0 0 0 0 0 0 0 0 0 (3) LICENSE NUMBER | 4 1 1 1 1 (4) LICENSE TYPE | (5) CAT

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 THE "AB" EMERGENCY DIESEL GENERATOR WAS REMOVED FROM SERVICE FOR MAINTENANCE AT
0 3 0711 HOURS ON OCTOBER 16, 1979. THIS DIESEL GENERATOR SUPPLIES THE EMERGENCY
0 4 AUXILIARY POWER REQUIRED FOR THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMP FOR
0 5 AUTOMATIC AND REMOTE OPERATION. DURING THIS DIESEL OUTAGE THE #1 MOTOR DRIVEN
0 6 AUXILIARY FEEDWATER PUMP WAS REMOVED FROM SERVICE FOR A 2.75 HOUR PERIOD CONTRARY
0 7 TO TECH. SPEC. 3.7.1.2. DURING THIS 2.75 HOUR PERIOD 2 OF THE 3 SOURCES WERE
0 8 CAPABLE OF SUPPLYING AUXILIARY FEEDWATER. THE TURBINE DRIVEN (CONT. PAGE 2)

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	E B (11)	A (12)	A (13)	Z Z Z Z Z Z (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 9	—	0 3 5	/	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
H (18)	F (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	Z (25)	Z 9 9 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 WHEN THE MOTOR DRIVEN PUMP WAS REMOVED FROM SERVICE IT WAS WITH FULL KNOWLEDGE
1 1 THAT IT WAS ONE OF THE PUMPS REQUIRED BUT THE EMERGENCY POWER DEFICIENCY WAS NOT
1 2 RECOGNIZED. MODIFICATIONS ARE BEING MADE WHICH WILL ELIMINATE THE NEED FOR AC
1 3 POWER FOR OPERATION OF THE STEAM DRIVEN AUXILIARY FEEDWATER PUMP. ALSO, WE ARE
1 4 IMPROVING THE SAFETY RELATED EQUIPMENT CHART TO MAKE IT EASIER (CONT. PAGE 2)

1 5 | FACILITY STATUS E (28) | % POWER 1 0 0 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY B (31) | DISCOVERY DESCRIPTION (32) OPERATOR OBSERVATION

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

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

LOSS OF OR DAMAGE TO FACILITY (43)

1 9 | TYPE Z (42) | DESCRIPTION NA

7911060476

PUBLICITY

2 0 | ISSUED N (44) | DESCRIPTION (45) NA | NRC USE ONLY

NAME OF PREPARER RICHARD S. LEASE PHONE: (616) 465-5901 X-313

GPO 917-926

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES: (CONTINUED)

PUMP REMAINED CAPABLE OF BEING POWERED FROM AN OPERABLE STEAM SUPPLY SYSTEM. THE PUMP DISCHARGE VALVES WERE IN THEIR NORMAL STANDBY POSITION OF OPEN. THE ONLY POWER REQUIRED BY THE TURBINE DRIVEN PUMP TO SUPPLY WATER TO THE STEAM GENERATORS WOULD BE THAT REQUIRED TO OPEN THE TURBINE TRIP AND THROTTLE VALVE.

BOTH PHYSICALLY INDEPENDENT OFFSITE POWER SOURCES REQUIRED BY TECH. SPEC. 3.8.1.1.a WERE OPERABLE. IN THE EVENT A BLACKOUT OCCURS, THE EMERGENCY OPERATING PROCEDURES INSTRUCT THE OPERATOR TO ENERGIZE THE CLASS IE BUSES FROM THE SECOND OFFSITE POWER SOURCE IF THEY AREN'T ENERGIZED FROM THE EMERGENCY DIESEL GENERATORS. TO ENERGIZE THE CLASS IE BUS FROM THE SECOND OFFSITE POWER SOURCE REQUIRES A MANUAL OPERATION AND WOULD TAKE AN ESTIMATED THREE MINUTES. SHOULD NO POWER HAVE BEEN AVAILABLE, THE OPERATORS WOULD HAVE STARTED THE TURBINE BY MANUALLY OPENING THE TURBINE TRIP AND THROTTLE VALVE AND THUS CONTROL THE FLOW OF AUXILIARY FEEDWATER TO THE STEAM GENERATORS. OPERATORS ON EACH SHIFT HAVE BEEN TRAINED BY ACTUAL PERFORMANCE OF THE OPERATION HOW TO MANUALLY START AND CONTROL THE TURBINE DRIVEN AUXILIARY FEEDWATER PUMP.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS: (CONTINUED)

FOR THE OPERATORS TO IDENTIFY THE SAFETY RELATED EQUIPMENT ASSOCIATED WITH THE EMERGENCY DIESEL GENERATOR.