LICENSEE EVENT REPORT

LER 82-18/3L	
CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)	
0 1 V T V Y S 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 5 5 1 CAT 58	
CON'T O 1 REPORT L O O O O O O O O O	
0 2 During Reactor Startup, Reactor Cleanup System was returned to service following	
0]3 [isolations from high inlet flow and NRHX high temperature signals. Approximately	
0 4 10 minutes later CU-18's breaker tripped, losing the valve position indication.	
[0] 5 To meet the requirements of Tech. Spec. 3.7.D.2 operable isolation valves were clos	ed]
O 6 There were no consequences to the health and safety of the public. There were no	
o 7 previous reportable occurrences of this type.	
7 8 9	80
SYSTEM CODE CAUSE SUBCODE COMPONENT CODE SUBCODE SUBCO	
TO REPORT VUMBER S 2 -	
ACTION FUTURE EFFECT SHUTDOWN HOURS 22 ATTACHMENT NPRD-4 PRIME COMP. COMPONENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURI LA 18 Z 19 Z 20 Z 21 0 0 0 0 0 1 Y 23 Y 24 A 25 L 2 0	
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) [TO] [CU-18 forque switch failed, resulting in motor and circuit breaker failure. Cleanu	р
[1] [System was returned to service following motor, torque switch and circuit breaker	
[1]2 [replacement.	
1 4 1	80
FACILITY STATUS 30 METHOD OF DISCOVERY OPERATOR OF DISCOVERY NA A 44 45 46 OPERATOR	80
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) 1 6 Z (33) Z (34) NA PERSONNEL EXPOSURES AMOUNT OF ACTIVITY (35) NA 44 45	80
1 7 NUMBER 0 37 Z 38 DESCRIPTION (39) NA NA	80
PERSONNEL INJURIES NUMBER DESCRIPTION 41 NA NA	
7 8 9 11 12 LOSS OF OR DAMAGE TO FACILITY 43 TYPE DESCRIPTION 43	80
1 9 Z (42) NA	80
PUBLICITY S209240407 820915 NRC USE ONLY SSUED DESCRIPTION 45 PDR ADOCK O5000271 S DR 68 69	30 26 7: 95 6
NAME OF PREPARER James P. Pelletier PHONE: (802) 257-7711	0 4 5

CAUSE DESCRIPTION AND CORRECTIVE ACTION

Because of the failure of CU-18 torque switch, it is believed when the valve reached its full open position motor torque increased causing a rapid increase in armature current due to the loss of counter EMF. The increased current flow overheated the armature and caused the armature/brush resistance to increase, thereby increasing the overall motor resistance and decreasing the motor current. Over a period of time deterioration of motor isulation resulted in a short circuit developing which tripped its circuit breaker. Further inspection of the motor circuit resulted in circuit breaker replacement because of erratic latching operation. The motor and torque switch were replaced and the system returned to operation.