



- NOTES:
1. [Symbol] SHOWS THE TABLE VALUE WHICH IS NOT NEEDED UNTIL DETAILED PLANNING OF THIS SYSTEM.
  2. THE EXCHANGED HEAT OF THE MODE A AND B OCCURS AFTER POOL GATE HAS CLOSED.
  3. IN MODE B, RHR OPERATES IN PARALLEL WITH FPC.
  4. MODE D, SHUTDOWN COOLING RETURN WATER DISCHARGED THROUGH REACTOR WELL SPARGER.
  5. DURING THIS MODE, FUEL POOL TEMPERATURE MAY EXCEEDS 52°C FOR A SHORT PERIOD ACCORDING TO CIRCUMSTANCES.
  6. "A" MEANS "5A AND 5B, EACH AS SHOWN". "5A" MEANS "5A OR 5B, BUT NOT TOGETHER, AS SHOWN".
  7. MODE C, FAILURE OF A OR B TRAIN IS POSTULATED.
  8. DRAIN OPERATING MODE, IN MODE E1, 2 FPC PUMPS ARE OPERATED. DRAINED WATER WHICH IS TREATED BY F/D (A) AND (B) IS DRAIN TO S/P THROUGH SPCU RETURN LINE.
  9. IN MODE E2, 1 FPC PUMP IS OPERATED. DRAINED WATER IS TREATED BY F/D (A) OR (B) IS DRAIN TO S/P THROUGH SPCU RETURN LINE. DURING THIS MODE, FPC PUMP "1" IS OPERATED FOR FUEL POOL COOLING WITH F/D BYPASSED.
  10. IN MODE E3, 2 FPC PUMPS ARE OPERATED. DRAINED WATER IS TREATED BY F/D (A) AND (B) AND IS RETURNED TO "HR" CONNECTING LINE AND DRAINED TO RADWASTE SYSTEM.
  11. IN MODE D, 1 RHR IS OPERATED FOR BACKUP COOLING BECAUSE FPC CAN NOT COOL POOL SUFFICIENTLY.
  12. IN MODE D, RHR SHUTDOWN RETURN WATER IS INJECTED THROUGH REACTOR WELL DIFFUSERS.
  13. IN MODE F, 1 FPC PUMP (A) OR (B) IS OPERATED FOR FUEL POOL COOLING AND SPCU IS OPERATED FOR S/P CLEANUP THROUGH F/D (A).
  14. IN MODE G, 1 FPC PUMP (A) OR (B) IS OPERATED FOR FUEL POOL COOLING AND S/P WATER IS SUPPLIED TO D/S PIT THROUGH F/D BY SPCU OPERATION.
  15. F027 AND Q51-F014 ARE EXCLUDED FROM THE TABLE SINCE THESE VALVES DO NOT OPEN/CLOSE FOR THE MODES LISTED IN THE TABLES.
  16. IN MODE E3, FPC RATE IS TO BE DESIGNED AFTER POOL DRAIN MODES DETAIL DESIGN COMPLETION.

- REFERENCE DOCUMENTS
- | REF. NO.                                | MPL NO.  |
|---|----------|
| 1. FUEL POOL COOLING CLEANUP SYS P&ID   | 041-1010 |
| 2. SUPPRESSION POOL CLEANUP SYSTEM P&ID | 051-1010 |
| 3. RESIDUAL HEAT REMOVAL SYSTEM P&ID    | E11-0110 |
| 2. RADWASTE SYSTEM P&ID                 | K17-1010 |

F/G. 9.1-2

SI APERTURE CARD

EQUIPMENT CLASS CODE

SAFETY RELATED: YES  NO

THIS ITEM IS OR CONTAINS A SAFETY RELATED ITEM: YES  NO

SEEK GLASS 1E: YES  NO

NUCLEAR SAFETY RELATED: YES  NO

GENERAL ELECTRIC CORP. San Jose CA

DOC TYP: PFD

FUEL POOL COOLING CLEANUP SYSTEM

FIG. 9.1-2

107E058

0

1

2

TO

AP-8107280

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PDR RIDS

