

PMSTPCOL PEmails

From: Eudy, Michael
Sent: Wednesday, May 18, 2011 9:40 AM
To: Eagle, Eugene
Cc: STPCOL
Subject: FW: Revision 5 Page
Attachments: Pages from STP34_P02_T2_S07_01.NP.pdf

Eugene,

Here is some feedback from STP that might close out one of your confirmatory items. Please advise, thanks.

Mike

From: Puleo, Frederick [<mailto:fjpuleo@STPEGS.COM>]
Sent: Wednesday, May 18, 2011 9:38 AM
To: Eudy, Michael
Cc: Mookhoek, William
Subject: Revision 5 Page

Mike after I our phone call today I did a verification of Revision 5 COLA Section 7.1.1.1 regarding Eugene's comment related to the Suppression Pool Temperature. I found what Eugene was looking for and have attached the page from COLA R-5, I should have thought of this earlier.

Based on this and Eugene verifying our submitted Rev. 5, I would think we could close this item or remove from list. If there are any further discussions necessary please let me know...Thanks

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"STPCOL" <STP.COL@nrc.gov>
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"Eagle, Eugene" <Eugene.Eagle@nrc.gov>
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channels of instrumentation in the safety-related system, and uses the input information to perform logic functions in making decisions for safety actions.

Sensor signals are hardwired to the RTIS. These sensors are divisionally separated.

Divisional separation is applied to the Essential Communication Functions (ECFs) of ELCS, which provides communication for the sensor input to the logic units and for the logic output to the system actuators (actuated devices such as pump motors and motor-operated valves).

~~Divisional separation is also applied to the essential multiplexing system (EMS), which provides data highways for the sensor input to the logic units and for the logic output to the system actuators (actuated devices such as pump motors and motor operated valves).~~ Systems which utilize the SSLC ~~are include:~~ (1) Reactor Protection (trip) System; (2) High Pressure Core Flooder System; (3) Residual Heat Removal System; (4) Automatic Depressurization System; (5) Leak Detection and Isolation System; (6) Suppression Temperature Pool Monitoring System; and (7) Reactor Core Isolation Cooling System. The equipment arrangement for these systems and other supporting systems is shown in Figure 7.1-2.

7.1.1.3 Engineered Safety Features (ESF) Systems

7.1.1.3.9 HVAC Emergency Cooling Water System

STD DEP Admin

Automatic instrumentation and control is provided to assure that adequate cooling is provided for the main control room, the control building essential electrical equipment rooms, and the ~~diesel generator cooling coils~~ reactor building essential electrical equipment rooms.

7.1.1.4 Safe Shutdown Systems

7.1.1.4.1 Alternate Rod Insertion Function (ARI)

STD DEP 7.4-1

Though not required for safety, instrumentation and controls for the ARI provide a means to mitigate the consequences of anticipated transient without scram (ATWS) events. ~~Upon receipt of an initiation signal (based on either high reactor dome pressure or low reactor water level from the Recirculation Flow Control System), the RCIS System controls the fine motion control rod drive (FMCRD) motors such that all operable control rods are driven to their full in position.~~ The Recirculation Flow Control System (upon detection of either high reactor dome pressure, low reactor water level or Manual ARI initiation) activates opening signals for the ARI valves of the Control Rod Drive (CRD) System (i.e., for backup hydraulic insertion of the control rods) and activates ARI initiation command signals to the Rod Control and Information System (i.e., for electric motor insertion of all operable control rods to the full-in position). This provides a method, ~~diverse from the hydraulic control units (HCUs), for scramming the~~