~~ONOP-004~~

1. How is RCP seal cooling assured during a severe fire? How long can RCP seals go w/o cooling (either CCP or CCW) before damage occurs?

2. Does the RCP seal package include floating seals or other design feature that would limit RCS leakage if the RCP seals were damaged.

3. CR 03-1330 Analysis states that only one spurious actuation is postulated at a time. What is the licensing basis for this statement? (ie, do you have an SER stating the NRC has accepted this postulation?)

4. Copy of 3/4-ONOP-041.1, RCP's.

5. Review calcs that serve as basis for ensuring PZR lvl remains in indicating range for fire

6. Review App. R reqmts for emerg. lighting. Determine if movable lights w/ 8-hr batteries meet this reqmt.

7. Provide Gerry w/ deficiency tag # for fire door.

8. What is time "Ø" for fires in FZ 63, 67 and 106? Are all LMOA's feasible and timely based on this initiating point?

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9. The 2003 FP Self-Assessment says some fire areas require 4 operators to complete the ~~manual~~ actions within the required time frame. Explain this concern and describe compensatory measures that have been implemented.

10. The 2003 FP Self-Assessment says the operators will respond to a plant transient event as trained to EOP's and ONOP's and that manual actions prescribed in the Pre-Fire Plans, a lower-tier document, would be regarded as guidance. How do you ensure that required actions in the PFP's occur with sufficient priority to protect the dedicated SSD equipment and prevent spurious ~~actions~~ actuations from defeating the actions directed by the EOP's and ONOP's?

11. What is the basis for the App. R SSA allowing 20 minutes to re-establish seal cooling to the RCP's?

12. What is the basis for assuming a spurious actuation (due to unprotected cables) does not occur immediately during the start of the fire? How long before spurious actuation occur? What about loss of function?

13. How is RCP seal package cooling assured if the operating CCP is stopped ~~and~~ because it is the protected pump and thermal barrier cooling valves spuriously c

14. What is operating ~~[illegible]~~ duty time of the RCP's for U3/U4. I.e., are all CCP's used equally and rotated regularly (weekly, etc).

15. Provide copy of study that shows only MOV-3/4-350, MOV-3/4-1400, 1401 & 1402 may be susceptible to bypass of the MOV protective features. Also it appears this study is limited to MCR fires. What happens in FZ 63 and 67?

16. ~~MOV~~ LCV-3/4-115B fails closed on loss of air and solenoid power. How can an operator manually open this valve?

17. Are 716B and 303B located close to one another on the same panel?

18. What is the difference between using the RWST or the MOV-350 flowpaths?