

December 22, 1982

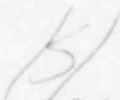
Docket Nos. 50-369/370

MEMORANDUM FOR: Docket File

FROM: Ralph Birkel, Project Manager
Licensing Branch #4
Division of Licensing

SUBJECT: STANDBY SHUTDOWN FACILITY - TELECOPY 12/3/82
(McGuire Nuclear Station, Units 1/2)

On December 3, 1982, the enclosed information was telecopied to the Duke Power Company with a request for a written response by December 10, 1982.



Ralph Birkel, Licensing Project Manager
Licensing Branch #4
Division of Licensing

Enclosure:
As stated

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DATE	12/20/82						



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Ralph A. Birkel

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Mc GUIRE - APP. R

NOTE = WRITTEN RESPONSE
REQ'D BY: DEC 10, 1982

ADDITIONAL DOCUMENTATION - ITEMS VERIFIED BY 11/23/82 TELECON

- ✓ B. State that access to "B" disconnect cubicle is from "A" switchgear room.
- descript* E. Verify cold shutdown capability in accordance with our original request for information in the draft SER - i.e., provide all information as requested to verify they can reach cold shutdown within 72 hrs.
- descript* F. Describe how standby makeup pump suction piping (non-seismic) can be manually isolated from spent fuel pool (seismic & manual isolation valve or gate.)
- ✓ L. Change response to be less ambiguous by using words stated in telecon: all primary & secondary system pressure boundary valves that require isolation are included in previous discussions 1-4 (H, I, J, K).
- M. State that flow from RMWST or RWST is by gravity to the spent fuel pool and can be ~~man~~ initiated by manual operation of valves.
- ✓ O & P State that portable radios will be available for communication between SSF and AFW local control stations
- ✓ S, U & V State that there are no intervening combustibles in the distances separating the SSF instrumentation & normal instrument cables.

ADDITIONAL INFORMATION REQUIRED

H, I, J - For a fire in any fire area (outside containment) that could result in spurious operation of these valves, verify that the capability would be maintained to manually start a normal charging pump or high pressure injection pump and manually align a flow path from makeup water source to reactor for that pump.

That is,

- verify that at least 1 such pump has ~~stop~~ its power cable routed outside of the areas through which the valve cables are routed.
- verify that all valves in the flow path can be manually aligned.
- verify that ~~at least~~ the pump can be started locally.

K - We understand that the conductors for the control cables for the "A" RHR suction line isolation valve will be separated and routed in ~~separate~~ separate, armored, grounded cable.

This is an acceptable method to prevent spurious operation of the valve due to fire-induced internal or external hot shorts for all fires except control room fires.

~~Describe the protection~~

Describe the method used to prevent spurious RHR valve operation for a postulated control room fire.

N. In the draft response, it was indicated that 2 AFW isolation valves will be powered and controlled from the SSF. In the Nov. 23, 1982 telecon, the licensee said something to the effect that a fire would not preclude flow to at least 1 steam generator. It is my understanding that flow is required to 2 steam generators for shutdown. Verify that the SSS includes provisions to assure that a flow path to at least 2 steam generators can be aligned from the SSF.

Q. Verify that the capability to deenergize the solenoids in the pneumatic control line to each MSIV and steam generator atmospheric dump valve can be maintained for a fire in any plant area.

W. In the Nov 23, 1982 telecon, the licensee stated that AFW flow indication and pump discharge pressure indication are available in the turbine driven pump room. Verify that at least one of these indications are available for any fire requiring operation of the SSS (assuming loss of offsite power).

McGUIRE - APP. R

STAFF POSITION

R,T - Provide temperature and source range neutron flux indication at the SSF as originally stated in our draft SER.

[The need for this instrumentation is re-inforced by the possibility, as discussed in I & J that a fire inside containment could result in spurious opening of RCS letdown lines^{etc} that would result in a small-break LOCA conditions]

For: D. A. Copp

From: R. Birkel