




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

June 26, 1981

OFFICE OF THE
SECRETARY

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MEMORANDUM FOR THE RECORD

FROM: Samuel J. Chilk, Secretary 

SUBJECT: STAFF REQUIREMENTS - COMMISSION MEETING ON MCGUIRE, 2:10 P.M.,
WEDNESDAY, JUNE 24, 1981, COMMISSIONERS' CONFERENCE ROOM,
D.C. OFFICE (OPEN TO PUBLIC ATTENDANCE)

The Commission was briefed by J. Michael McGarry and William Porter (Duke Power Co.); Edward G. Ketchen and Joseph Scinto (NRC); and Jesse Riley (CESG), parties to the McGuire operating license proceeding.

The Commission had asked the parties to address the following questions:

1. In view of the fact that substantial quantities of hydrogen were evolved during the TMI accident before containment pressure significantly exceeded 3 psig, what is the basis for selecting the 3 psig containment pressure signal as the appropriate trigger for energizing the igniter system? Should the trigger instead be safety injection?
2. In view of the fact that the effectiveness of the hydrogen control system depends in part on operation of air return fans and the hydrogen skimmer fans in conjunction with the igniters, is it reasonable to switch on the igniters at a lower pressure than the trigger set point for the air return fans and the hydrogen skimmer fans? Is it feasible to switch on the air return fans and hydrogen skimmer fans at containment pressures less than 3 psig without the possibility of negative containment pressure or other adverse factors?

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