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UNITED STATES NUCLEAR REGULATORY COMMISSION
DIRECTOR OF INSPECTION AND ENFORCEMENT
REGION II
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ATLANTA, GEORGIA 30303

SUBJECT: Hatch Unit 1, Docket No. 50-321, Notification of Reportable Occurrence No. 50-321/1980-053.

NOTIFIED: Mr. Ramson

DATE: 5-27-80

DATE: 5-24-80
TIME: 14:25 PM

DESCRIPTION OF REPORTABLE OCCURRENCE

Initial Condition
The Unit 1 mode switch was in "RUN" with the reactor at 2350 MWt power when the Architect Engineers notified the plant that Unit 1 had been operating under a condition in which a single failure criteria existed, relating to the closing of 1E11-F017A since 4-25-80.

Nature of Occurrence
The Architect Engineers were reviewing LER No. 1-80-14 when they discovered that the loss of essential motor control center 1B(224-S011) or loss of Diesel Generator 1A during a loss of offsite power will cause the "A" loop of RHR and the "A" loop of core spray to be inoperable. Should this occur during a postulated break in the "B" recirculation discharge piping, which would render the "B" loop of RHR inoperable, then both loops of RHR and the "A" loop of core spray would be inoperable.

Immediate Corrective Action
The Operations Department started a controlled reactor shutdown and the unit was taken to a cold shutdown condition.

Cause
Fusulating that a line break (D.B.A.) has occurred on the discharge side of the recirculation line which is associated with the B loop of RHR (Division II electrically), this means that the "B" loop of RHR would be lost due to mechanical failure. Also, with the 1E11-F017A valve lined up closed if you should lose the Diesel/Motor Control Center associated with the 1E11-F017A valve (Div. I) then you would lose the "A" loop of RHR along with one loop of core spray. Per General Electric this is an unacceptable condition to be in during a recirculation discharge line break.

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Supplemental Corrective Action

The 2E11-F015A valve is being repaired and will be leak rate tested prior to bringing the unit back on line.

Status of Redundant or Backup Systems

The "B" loop of RHR was available and operable along with both loops of Core Spray.

Impact to Other Unit

None. The RHR injection valves (2E11-F015A, B) on Unit 2 are not leaking and thus are not pressurizing backwards to their heat exchangers.

Justification for Continued Operation

None. Unit 1 was brought to a cold shutdown state, Unit 2 does not have the problem.

W. Henry

-for- W. Henry
Plant Manager