LICENSEE EVENT REPORT ACCOUNTED TO ALCM-82/342
CONTROL BLOCK:
0 1 M S G G S 1 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5 5 CAT 58
CON'T O 1 SOURCE L 6 0 5 0 0 0 4 1 6 7 1 1 1 1 0 8 2 8 1 1 2 4 8 2 9 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10 General Electric has a requirement for five seconds of steam bypass operation after a
[0]3 [turbine trip. This requirement is not explicitly stated in the system design specifi-]
0 4 cation 22A6084, but is assumed in the FSAR analysis (see Chapter 15, Table 15.2-8).
This event is reportable under T.S.6.9.1.12.h. This had no effect on the health and
[0 6] safety of the public and did not constitute a threat to plant safety.
0 7
7 8 9 SYSTEM CAUSE CAUSE COMP. VALVE
CODE SUBCODE S
T
ACTION FUTURE ON PLANT SHUTDOWN METHOD HOURS 22 ATTACHMENT SUBMITTED FORM SUB. PRIME COMP. COMPONENT SUBMITTED FORM SUB. SUPPLIER MANUFACTURER ACTION 33 34 40 41 33 42 43 43 44 47
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) [1 0] The cause of the design problem was the failure to explicitly state the necessity of
the five seconds of steam bypass operation after a turbine trip. A design change has
been requested to initiate a direct turbine trip upon loss of the main circulating
water pumps. This design change would result in approximately 7.5 seconds of steam
bypass operation. ollow-up report will be submitted by January 24, 1982.
7 8 9 FACILITY STATUS \$ POWER OTHER STATUS NA OTHER STATUS NA DISCOVERY DESCRIPTION (32) NA Z (31) NA NA 80 NA NA B (32) NA NA NA NA NA NA NA NA NA N
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 NA LOCATION OF RELEASE 36 NA N
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39 NA
7 8 9 PERSONNEL INJURIES 13 8212020144 821124 PDR ADDCK 05000416 PDR NA S PDR
1 9 11 12 LOSS OF OR DAMAGE TO FACILITY 43 TYPE DESCRIPTION NA NA
PUBLICITY ISSUED DESCRIPTION 45 NA NA NA NA
Original signed by Ron Byrd PHONE:

SUPPLEMENTARY INFORMATION TO LER 82-105/01 T-0

Mississippi Power & Light Company Grand Gulf Nuclear Station - Unit 1 Docket No. 50-416

Technical Specification Included: 6.9.1.12.h Reported under Technical Specification: 6.9.1.12.h

Event Narrative:

During the review of Bechtel's request to Allis-Chalmers Power Systems, Inc. for a design change to initiate a direct turbine trip upon loss of the main circulating water pumps, it was determined that General Electric used a plant condition in the FSAR accident analysis that is less conservative than that caused by a circulating water pump trip. In its analysis, General Electric assumed five seconds of steam bypass operation after a turbine trip (see FSAR Chapter 15, Table 15.2-8). Such a requirement is not explicitly stated in the system design specification 22A6084.

The present logic will not allow the steam bypass valves to remain open for the required five-second time period following a turbine trip caused by a circulating water pump trip. A design change has been requested to initiate a direct turbine trip upon loss of the main circulating water pumps. Incorporation of this change will satisfy a GE criterion which requires the steam bypass valves be open for at least five seconds following a turbine trip. This design change would cause the bypass valves to remain open approximately 7.5 seconds.

Technical Specification 6.9.1.12.h requires prompt notification of errors discovered in the transient or accident analyses or in the methods used for such analyses as described in the safety analysis report, or in the bases for the technical specifications that have or could have permitted reactor operation in a manner less conservative than that assumed in the analyses.

This is being submitted as an interim report. A followup report will be submitted by January 24, 1983.