



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION I
 631 PARK AVENUE
 KING OF PRUSSIA, PENNSYLVANIA 19406

KVS
 #RTI-29
 5/1/78

Document No. 50-320

March 31, 1978

MEMORANDUM FOR: K. V. Seyfrit, A/D Technical Programs, ROI, IE:HQ
 THRU: ^(KVS) 3131 E. C. McCabe, Jr., Acting Chief, RO&NS Branch, RI
 FROM: D. M. Sternberg, Acting Chief, RP Section No. 1,
 RO&NS Branch, RI
 SUBJECT: THREE MILE ISLAND 2 - PRESSURIZER RELIEF VALVE CONTROL
 SYSTEM (AITS # F14679H2)

1. PN-IRC:I-40 dated March 30, 1978, reported a reactor trip and blowdown at Three Mile Island 2. The cause of the trip was the loss of a vital bus caused by an inverter failure. The cause of the inverter failure is under investigation by the licensee. The blowdown, however, was caused by the pressurizer Electromatic relief valve opening upon a loss of electrical power to its control bistable.
2. This relief valve does not appear to be a safety-related component and it opens on a 1 of 1 logic-power arrangement producing a loss of coolant condition.
3. It is requested that the adequacy of the design approach (i.e., valve failing open on loss of control power) be reviewed on an expedited basis for E&M facilities in general and Three Mile Island in particular.

Daniel M. Sternberg
 Daniel M. Sternberg, Acting Chief
 Reactor Projects Section No. 1

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