

Attachment to LER-78-010-01T-0
Consumers Power Company
Big Rock Point Plant
Docket 050-155

A determination was made to include critical Reactor Protection System components in the Systematic Evaluation Program as outlined in the NRC letter of 12/23/77. During this review, the steam drum level transmitter/switches RE06 A and B and RE20 A and B were deemed to be potentially non-failsafe for the temperature environment postulated for small break LOCA. The units are Yarway Model 4320 PE.

During tests conducted in 1975, failures of plastic parts in the cover, diffuser and dial of Yarways Model 4420C used in the core spray actuation system caused binding of the switch mechanism and non-safe operation of those similar units. This was reported as part of AO-1-75 reported by letter to the NRC on 1/27/75 and 2/14/75 and in subsequent submittals related to that incident including a summary in our letter of 5/15/75.

Because of the postulated failure of the similarly constructed units on 2/17/78, additional surveillance was immediately established to require that in the event of a detected LOCA, the reactor should be scrammed when other qualified level indicators, or the Reactor Depressurization System, indicated a level of eight inches below drum center line or lower. Qualified parts were installed in the switches at 1430 hours on 2/17/78 and the additional surveillance was relaxed at that time.

Environmental qualification of components in all systems required to cope with LOCA conditions is in progress as part of the Systematic Evaluation Program.

990054