



## SUPPLEMENTAL INFORMATION

### 1. Cause Description and Analysis:

During normal operations on April 2, 1979, while running "B" Boric Acid Transfer Pump (BATP) to recirculate the BIT, the pump tripped due to high temperature at 0950 hours. The thermal trip was reset and the pump was returned to service at 1010 hours. At 1445 hours the pump was discovered not to be running. The thermal trip was reset again and the pump started. However, there was zero discharge pressure on the pump, so it was declared inoperable. The "A" BATP was operable during this entire sequence of events. No reason for the overtemperature trip preceeding the shaft failure could be positively determined. This failure is believed to be the result of a generic problem with shaft design since a series of this type of failure have occurred. This failure resulted in a degraded mode of operation permitted by Technical Specification 3.2.3.b and is reportable in accordance with Technical Specification 6.9.2.b.2.

### 2. Corrective Action:

The "B" Boric Acid Transfer Pump was replaced with a new pump and was tested satisfactorily.

### 3. Corrective Action To Prevent Further Occurrence:

There have been several failures of this type on the Chempump Model GE-20K. A similar failure of the pump occurred on March 13, 1979 (LER 79-05). The "A" BATP has been changed to a Model GVH-10K, which has proven reliable in almost three years of service. Tentative plans are for the "B" Pump to be replaced by a Model GVH-10K during the 1979 refueling outage.