

Attachment to LER 80-033-011-0
Consumers Power Company
Big Rock Point Plant
Docket 50-155

A minor leak at the outboard end of the canned rotor clean-up pump in the reactor demineralizer system was noted by the auxiliary operator during his routine rounds in containment at 0046 hours on 9/27/80. Plant output was reduced from 64 MWE to about 35 MWE to reduce radiation fields for manual isolation of the pump by valving in the reactor recirculating pump room. The pump was replaced and restored to operation at 2110 hours on 9/27/80. The pump represents a primary system boundary operating at 1350 psia and 90°F but the leak was believed to be at a gasketed fitting until bench checks on 10/3/80 revealed that bearing failure contributed to wear of the internal stator housing causing the leak estimated at 200 milliliters per minute.

In view of previous similar failures, the vendor is being consulted in relation to the bearing failure to determine if other corrective measures are feasible. The pump is a model GD 7½ hp, 2500 psig design made by Chempump Division of Fostoria Corporation.

Leakage of primary fluid was confined to the radwaste collection system and no hazard to the public occurred. Reportability is based on Technical Specification 6.9.2a(3).