



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
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RAR-88-10

March 1, 1988

Mr. J. H. Sniezek, Deputy Dir.  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Enclosed please find a listing of those changes, tests, and experiments completed during the month of February, 1988, for Quad-Cities Station Units 1 and 2, DPR-29 and DPR-30. A summary of the safety evaluation is being reported in compliance with 10 CFR 50.59.

Thirty-nine copies are provided for your use.

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

R. A. Robey  
Services Superintendent

vk

Enclosure

cc: I. Johnson  
T. Watts/J. Galligan

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## SPECIAL TEST 1-107

The purpose of this test is to monitor the performance of the Mechanical Seal Systems installed on the Unit One Turbine Building Closed Cooling water pumps.

### Safety Evaluation

1. The probability of an occurrence or the consequence of an accident, or malfunction of equipment important to safety as previously evaluated in the Final Safety Analysis Report is not increased because the mechanical seal system will reduce pump leakage into the Turbine Building Equipment Drain sump and help eliminate problems associated with radwaste processing. The mechanical seal system will require less operator attention than compression packing.
2. The possibility for an accident or malfunction of a different type than any previously evaluated in the Final Safety Analysis Report is not created because pump leakage through compression packing is not addressed in the FSAR. Pump leakage due to a mechanical seal failure will be no greater than pump leakage due to the failure of the existing compression packing.
3. The margin of safety, as defined in the basis for any Technical Specification is not reduced because packing gland leakage for the Turbine Building Closed Cooling water pumps is not defined in the basis for any Technical Specification. The mechanical seal system will not affect pump operability or pump characteristics defined in the Technical Specifications.