



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
22710 206 Avenue North  
Cordova, Illinois 61242  
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TKT-86-25

March 3, 1986

Mr. Edson G. Case, Deputy Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Case:

Enclosed please find a listing of those changes, tests, and experiments completed during the month of February, 1986, 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

T. K. Tamlyn  
Services Superintendent

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Enclosure

cc: J. Wojnarowski

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## SPECIAL TEST 1-81

On February 14, 1986, Special Test 1-81 was completed. This was the completion of the End of Cycle 8 Testing Program for barrier fuel and the segmented barrier test program. It prepared two barrier assemblies for a fifth cycle of irradiation.

### 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 all fuel handling will be performed within the confines of the spent fuel storage pool using standard, reviewed, and approved fuel handling procedures. Generic procedures will also be used by General Electric personnel that have been reviewed under the Special Test review and are found acceptable.
2. The possibility for an accident or malfunction of a different type than any previously evaluated in the Final Safety Analysis Report are not created because all fuel maneuvers will be standard operations, such as bundle transfers between racks, dechanneling, and channeling fuel are within the assumption of the FSAR evaluation. The other activities do not create accident potentials greater than the dropped fuel bundle accident considered in the FSAR.
3. The margin of safety as defined in the basis for any Technical Specification will not be reduced because no activities during this test would cause release rates greater than those assumed for the Technical Specification basis.

Modification M-4-1-85-37

Description

This modification was to install a new RHR pump motor for the 1B RHR Pump. This was initiated due to the inoperability of a badly damaged 1B RHR Pump motor and no exact motor replacement could be found.

A similar environmentally qualified motor was obtained from Northern States Power, Monticello Station, and was adapted to the Station's motor stand and coupling pieces.

Evaluation

The motor is identical in horsepower, KV rating, and RPM. Thus, it met the basic requirements for the 1B RHR Pump. All flows remained the same and met the Technical Specification requirements. The motor met or exceeded all of the environmental qualification requirements.

No safety concerns have been created due to this modification.