



Commonwealth Edison
Quad-Cities Generating Station
Post Office Box 216
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NJK-75-153

March 25, 1975



Mr. John F. O'Leary, Director
Directorate of Licensing Regulation
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20545

REFERENCE: Quad-Cities Nuclear Power Station, Unit 1, NRC Docket
No. 50-254, DPR 29, Previous Abnormal Occurrence Report
No. 50-254/75-4.

Dear Mr. O'Leary:

In the referenced report concerning mispositioned fuel in the Quad-Cities Unit 1 core, it was indicated that the misoriented assembly would be sipped to determine if there was any gross failure of the fuel cladding.

Detection of cladding failure via sipping is based on comparison of samples from a large number of fuel assemblies that operated under the same conditions. There are no assemblies to form a background for comparison and it was recognized that only a failure that would have resulted in the release of large quantities of fission products to the coolant could be detected.

Since the time of our report to you, Unit 1 has returned to power operation. The operational off-gas release rate and off-gas response to power change is identical to that prior to the removal of the mis-oriented assembly. It has therefore been concluded that no gross fuel failure had occurred as a result of the misorientation and that no further investigation with methods available at Quad-Cities will yield useful information.

General Electric has expressed an interest in disassembly and inspection of the misoriented fuel assembly. You will be informed of the results if this inspection is conducted.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
N. J. Kalivianakis
Station Superintendent

NJK:SRH/dkp

cc: Region III, Directorate of Regulatory Operations
J. S. Abel

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