

50-254

Safety Evaluation for Continued Use of Two Reconstituted Fuel Assemblies

Summary

Two fuel assemblies, LJB084 and LY3050, were reconstituted at Quad-Cities Unit 1 during the end of cycle 7 outage. A safety evaluation to support the continued use of these fuel assemblies was performed.

The reconstitution process did not involve any significant changes in the mechanical, nuclear or thermal-hydraulic characteristics of the fuel assembly, therefore, previous safety analyses (References 1 and 2) are unaffected and no new analyses are required.

Conclusion

Because the previous Licensing Analyses are not affected by insertion of the reconstituted fuel:

1. No changes to the Quad-Cities Unit 1 Technical Specification are required,
2. Use of the reconstituted fuel assemblies at Quad-Cities Unit 1 does not create an accident or malfunction of a type different from any previously evaluated,
3. The probability of occurrence or the consequences of an accident or malfunction of equipment important to safety, which has been previously evaluated, will not be increased, and
4. The margin of safety, as defined in the Technical Specifications for Quad-Cities Unit 1, has not been reduced.

Therefore, considering the criteria of 10 CFR 50.59, continued use of the reconstituted fuel assemblies does not involve an unreviewed safety question and does not require prior NRC approval.

References

1. "General Electric Standard Application for Reload Fuel", NEDE-24011-P-A-6, April 1983.
2. "Supplemental Reload Licensing Submittal for Quad-Cities Nuclear Power Station, Unit 1, Reload 7 (Cycle 8)," 23A1718, January 1984.

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NJK-84-234

August 1, 1984

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 July 1984, 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.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Superintendent

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Enclosure

cc: B. Rybak

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