

OCT 16 1987

Docket Nos.: 50-369, 50-370
and 50-413, 50-414

Mr. H. B. Tucker, Vice President
Nuclear Production Department
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: Proposed Revision to DPC-NF-2010A, "Nuclear Physics Methodology
for Reload Methodology" (66332/66333)

By letter dated August 17, 1987, you submitted a proposed revision to the report DPC-NF-2010A to permit the use of CASMO-2E/DUKE for the generation of cross sections used in EPRI-NODE-P for reload design of the McGuire and Catawba Stations. Your justification of the revision was based upon a comparison of measured core physics data with values calculated using the CASMO methodology.

Our audit of the statistical treatment of these comparisons reveals several gross mathematical errors. Because the benchmark comparisons are the crux of your justification and are in error, we find the submittal unacceptable. No further review of the proposed revision of DPC-NF-2010A is planned.

Sincerely,

/s/
Darl S. Hood, Acting Director
Project Directorate II-3
Division of Reactor Projects-I/II

cc: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Docket Nos.: 50-369, 50-370
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Mr. H. B. Tucker, Vice President
Nuclear Production Department
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: Proposed Revision to DPC-NF-2010A, "Nuclear Physics Methodology
for Reload Methodology" (TACS 66332/66333)

By letter dated August 17, 1987, you submitted a proposed revision to the report DPC-NF-2010A to permit the use of CASMO-2E/DUKE for the generation of cross sections used in EPRI-NODE-P for reload design of the McGuire and Catawba Stations. Your justification of the revision was based upon a comparison of measured core physics data with values calculated using the CASMO methodology.

Our audit of the statistical treatment of these comparisons reveals several gross mathematical errors. Because the benchmark comparisons are the crux of your justification and are in error, we find the submittal unacceptable. No further review of the proposed revision of DPC-NF-2010A is planned.

Sincerely,

A handwritten signature in dark ink, reading "Darl Hood", is written over a horizontal line.

Darl S. Hood, Acting Director
Project Directorate II-3
Division of Reactor Projects-I/II

cc: See next page

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