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DUKE POWER

May 30, 1990

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Subject: Catawba Nuclear Station, Units 1 and 2
Docket Nos. 50-413 and 50-414
Unit 1/Cycle 5 and Unit 2/Cycle 3
Core Operating Limits Reports

Gentlemen:

By letter dated May 17, 1990 the NRC issued Amendment Nos. 74/68 to Facility Operating Licenses NPF-35 and NPF-52 for Catawba Nuclear Station Units 1 and 2, respectively. These amendments remove certain cycle-specific parameter limits from the Technical Specifications and relocate them to a "Core Operating Limits Report" (COLR). Technical Specification 6.9.1.9 as revised by those amendments requires that the COLR, including any mid-cycle revisions or supplements thereto, shall be provided upon issuance, for each reload cycle, to the NRC Document Control Desk with copies to the Regional Administrator and Resident Inspector.

Accordingly, pursuant to Technical Specification 6.9.1.9 (and 10 CFR 50.4), attached are the Core Operating Limits Reports for Catawba Unit 1/Cycle 5 and Catawba Unit 2/Cycle 3. These reports document the Core Operating Limits which are determined so that all applicable limits (e.g. fuel thermal-mechanical limits, core thermal-hydraulic limits, ECCS limits, nuclear limits such as shutdown margin, and transient and accident analysis limits) of the Safety Analysis are met. Note that no base load operation analysis was performed for Unit 1/Cycle 5 or Unit 2/Cycle 3, and therefore the axial flux difference target band during base load operation, the value for APLND, and the W(z) functions for base load operation are not being provided (ref. COLR Sections 2.4 and 2.5).

These are the initial COLRs on Catawba Units 1 and 2, and are being issued/submitted at this time due to the recent License Amendment approval cited above.

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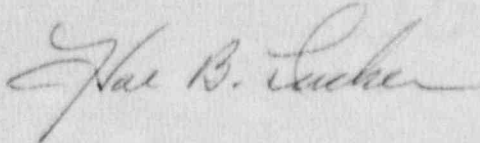
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In the future COLRs will be issued/submitted before each reload cycle or any remaining part of a reload cycle.

Should there be any questions concerning this information, please contact Mr. R. G. ~~Mc~~ at (704) 373-5196.

Very truly yours,



Hal B. Tucker

LTB/30/lcs

Attachments

xc: (W/Attachments)

Mr. S. D. Ebner, Regional Administrator
U. S. Nuclear Regulatory Commission - Region II
101 Marietta Street, NW, Suite 2900
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Dr. K. N. Jabbour, Project Manager
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Mr. W. T. Orders
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Catawba Nuclear Station