



DUKE POWER

April 17, 1990

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

Subject: McGuire Nuclear Station, Units 1 and 2
Docket Nos. 50-369 and 50-370
Unit 1/Cycle 7 and Unit 2/Cycle 6
Core Operating Limits Reports

Gentlemen:

By letter dated March 15, 1990 the NRC issued Amendment Nos. 105/87 to Facility Operating Licenses NPF-9 and NPF-17 for McGuire 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 McGuire Unit 1/Cycle 7 and McGuire Unit 2/Cycle 6. 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 7 or Unit 2/Cycle 6, and therefore the axial fluxND 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). In addition, these COLRs include revised (via 10 CFR 50.59) Rod Bank Insertion Limits, as was previously discussed in my January 17, 1990 COLR License Amendment request submittal (ref. COLR Sections 2.2 and 2.3).

These are the initial COLRs on McGuire Units 1 and 2, and are being issued/submitted at this time due to the recent License Amendment approval cited above. McGuire Unit 1 is currently in its end-of-cycle 6 refueling outage, with Cycle 7 startup (initial criticality) currently scheduled for May 19, 1990. McGuire Unit 2 is currently operating in Cycle 6, with the

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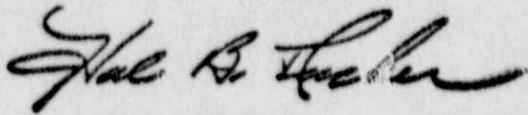
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end-of-cycle 6 refueling outage scheduled to start September 1, 1990 and subsequent Cycle 7 startup (initial criticality) scheduled for November 19, 1990 (Note that the Unit 2/Cycle 6 COLR supersedes the Unit 2/Cycle 6 Peaking Factor Limit Report previously submitted via my letter of September 18, 1989). These reloads are being/will be accomplished under the provisions of 10CFR 50.59. 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. P. B. Nardoci at (704) 373-7432.

Very truly yours,



Hal B. Tucker

PBN/197/lcs

Attachments

xc: (W/Attachments)

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