



# THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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FROM CLEVELAND: 241-1650

Al Kaplan

VICE PRESIDENT  
NUCLEAR GROUP

*Serving The Best Location in the Nation*  
PERRY NUCLEAR POWER PLANT

March 30, 1990  
PY-CEI/NRR-1157 L

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

Perry Nuclear Power Plant  
Docket No. 50-440  
Revision to Technical  
Specification Change Request -  
Relocation of Cycle-Specific  
Parameters (TAC #76187)

Gentlemen:

The Cleveland Electric Illuminating Company (CEI) submitted an amendment request on December 19, 1989 (PY-CEI/NRR-1104L) for the Perry Nuclear Power Plant (PNPP) Unit 1 Technical Specifications (TS) to implement Generic Letter 88-16, "Removal of Cycle-Specific Parameter Limits from Technical Specifications." The NRC Staff indicated that from reviews of prior Core Operating Limits Report (COLR) submittals, they had developed some preferences on how to present the changes in the Technical Specifications. Consequently, CEI is revising the submittal to reflect this guidance.

Two specifications are affected. Technical Specification 6.9.1.9 describing the COLR under the Reporting Requirements Section is broken into four paragraphs and the specifications included in the COLR are listed (Attachment 1). Specification 5.3.1, Fuel Assemblies was revised to reflect the current Staff guidance on wording of the fuel assembly design description (Attachment 1). Attachment 2 provides changes to the sample Core Operating Limits Report. CEI requests that this amendment be effective 7 days after issuance to allow for administrative processing.

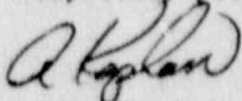
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CEI has reviewed the No Significant Hazards and Environmental Considerations contained in the prior letter and determined that they remain valid and no changes are required. In accordance with the requirement of 10CFR50.91(b)(1), a copy of this amendment request has been sent to the State of Ohio as indicated below. If you have any questions, please feel free to call.

Very truly yours,



Al Kaplan  
Vice President  
Nuclear Group

AK:njc

Attachments

cc: T. Colburn  
P. Hiland  
USNRC Region III  
J. Harris (State of Ohio)

Replace the description of the Core Operating Limits Report (Specification 6.9.1.9) in letter PY-CEI/NRR-1104 L with the following:

CORE OPERATING LIMITS REPORT

6.9.1.9 Core operating limits shall be established and documented in the CORE OPERATING LIMITS REPORT before each reload cycle or any remaining part of a reload cycle for the following:

- (1) The Average Planar Linear Heat Generation Rate (APLHGR) for Technical Specification 3.2.1
- (2) The Minimum Critical Power Ratio (MCPR) for Technical Specification 3.2.2.
- (3) The Linear Heat Generation Rate (LHGR) for Technical Specification 3.2.3.

The analytical methods used to determine the core operating limits shall be those previously reviewed and approved by NRC in NEDE-24011-P-A, General Electric Standard Application for Reactor Fuel (latest approved revision).

The core operating limits shall be 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.

The CORE OPERATING LIMITS REPORT, including any mid-cycle revisions or supplements thereto, shall be provided upon issuance, for each reload cycle, to the U.S. Nuclear Regulatory Commission Document Control Desk with copies to the Regional Administrator and Resident Inspector.

Replace the proposed fuel assemblies description (Specification 5.3.1) in letter PY-CEI/NRR-1104 L with the following:

FUEL ASSEMBLIES

5.3.1 The reactor shall contain 748 fuel assemblies. Each assembly shall consist of a matrix of Zircaloy clad fuel rods with an initial composition of slightly enriched uranium dioxide ( $UO_2$ ) as fuel material. Fuel assemblies shall be limited to those fuel designs approved by the NRC Staff for use in BWR's.