



# THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN  
VICE PRESIDENT  
NUCLEAR

July 19, 1984  
PY-CEI/NRR-0122 L

Mr. B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Perry Nuclear Power Plant  
Docket Nos. 50-440; 50-441  
Hydrogen Control Program Plan

Dear Mr. Youngblood:

The Cleveland Electric Illuminating Company (CEI) has been involved in a comprehensive program to resolve the degraded core hydrogen control issue, in order to support a full power operating license for Perry Nuclear Power Plant. Attached is a detailed description of the program CEI has undertaken to resolve the hydrogen control issue. The program plan updates earlier information submitted in response to FSAR Question 480.40, and was discussed with members of the NRC staff during a meeting on June 19, 1984.

Due to the complex nature of the hydrogen control licensing issue, a significant amount of analyses, testing and design activities requiring several diverse fields of expertise is required to assure an adequate resolution. A significant amount of work has been completed by CEI and the Hydrogen Control Owners Group (HCOG) to resolve the hydrogen control issue for a Mark III containment. CEI has been and intends to remain an active member of HCOG and is committed to resolution of the issue.

The attached Program Plan is intended to provide a management guide to the program activities completed, ongoing and planned to resolve the hydrogen control issue. The program is aimed at addressing the significant issues raised by the NRC Staff during their review of the Grand Gulf Nuclear Station (GCNS) Hydrogen Ignition System and the HCOG activities. A significant portion of the program includes resolution of generic issues through HCOG activities. We feel that including generic activities to the maximum extent possible and addressing applicable issues previously identified during the review of Grand Gulf Nuclear Station in our program plan will utilize the NRC Staff's and our resources in the most expeditious manner.

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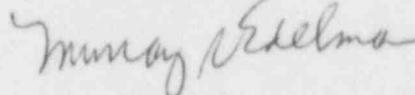
Mr. B. J. Youngblood

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July 19, 1984

Again, I would like to take this opportunity to assure you that CEI is committed to resolving the hydrogen control issue in an expeditious manner to support full power licensing of the Perry Nuclear Power Plant.

Very truly yours,



Murray R. Edelman  
Vice President  
Nuclear Group

MRE:njc

Attachment

cc: Jay Silberg Esq.  
John Stefano  
J. Grobe