

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
BEFORE THE ATOMIC SAFETY LICENSING BOARD

IN THE MATTER OF:

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, ET. AL.
PERRY NUCLEAR POWER PLANT, UNITS 1 AND 2)

Docket Nos. 50-440
50-441

AFFIDAVIT OF JOHN J. STEFANO
REGARDING CONTENTION ISSUE NO. 8

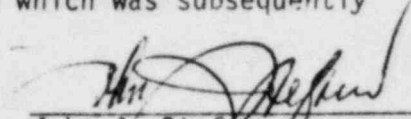
I, John J. Stefano, being duly sworn, state that I am employed by the U. S. Nuclear Regulatory Commission (NRC), in the Division of Licensing, Office of Nuclear Reactor Regulation. My primary responsibility is the Licensing Project Manager for the Perry Nuclear Power Plant (Units 1 and 2) Operating License application submitted by the Cleveland Electric Illuminating Company (CEICO), et. al., and docketed on January 31, 1981.

The purpose of this affidavit is to address the Intervenor's Contention Issue No. 8 which states:

"Applicant has not demonstrated that the manual operation of two recombiners in each Perry unit is adequate to assure that large amounts of hydrogen can be safely accommodated without a rupture of the containment and a release of substantial quantities of radioactivity into the environment."

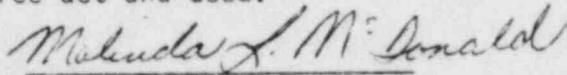
This affidavit is to affirm that the CEICO, as a participating member of the Hydrogen Control Owners Group, and the Licensing Review Group-II (a group of BWR/6 plant owners), did, as early as 1982, provide the NRC staff with a technical position indicating that a hydrogen control system would be designed in conformance with TMI Action Plan Item II.B.8 (NUREG-0660 dated May 1980) which included a distributed ignition system. This is addressed in Section 6.2.7 of the Safety Evaluation Report for Perry (NUREG-0887), issued in May 1982.

By letter dated July 19, 1984 (M. R. Edelman to B. J. Youngblood), CEICO submitted to the NRC a Program Plan for the development of a Perry plant-specific hydrogen control system design, which reiterates that the design will incorporate a distributed ignition system. I participated in a meeting in June 1984 between CEICO and the NRC staff during which CEICO briefed the NRC on its intent to submit the Program Plan which was subsequently provided by the July 19, 1984 letter.



John J. Stefano
Project Manager
Perry Nuclear Power Plant

On this 16th day of January, 1985, before me personally appeared John J. Stefano, being first duly sworn and says that he executed the foregoing as his free act and deed.



Notary Public
My Commission Expires July 1, 1986



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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 (GGNS) 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

UNITED STATES OF AMERICA
 NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of
 CLEVELAND ELECTRIC ILLUMINATING
 COMPANY, ET AL.
 (Perry Nuclear Power Plant,
 Units 1 and 2)

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Docket No. 50-440 OL
 50-441 OL

CERTIFICATE OF SERVICE

I hereby certify that copies of "NRC STAFF MOTION FOR SUMMARY DISPOSITION OF ISSUE #8" in the above-captioned proceeding have been served on the following by deposit in the United States mail, first class, or, as indicated by an asterisk, by deposit in the Nuclear Regulatory Commission's internal mail system, this 28th day of January, 1985:

*James P. Gleason, Chairman
 Administrative Judge
 513 Gilmore Drive
 Silver Spring, MD 20901

Donald T. Ezzone, Esq.
 Assistant Prosecuting Attorney
 105 Main Street
 Lake County Administration Center
 Painesville, Ohio 44077

*Mr. Glenn O. Bright
 Administrative Judge
 Atomic Safety and Licensing Board
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Susan Hiatt
 8275 Munson Road
 Menotr, OH 44060

*Dr. Jerry R. Kline
 Administrative Judge
 Atomic Safety and Licensing Board
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555

Terry J. Lodge, Esq.
 618 N. Michigan Street, Suite 105
 Toledo, OH 43624

Jay Silberg, Esq.
 Shaw, Pittman, Potts and Trowbridge
 1800 M Street, NW
 Washington, DC 20036

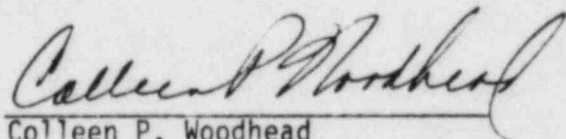
John G. Cardinal, Esq.
 Prosecuting Attorney
 Ashtabula County Courthouse
 Jefferson, Ohio 44047

Janine Migden, Esq.
 Ohio Office of Consumers Counsel
 137 E. State Street
 Columbus, OH 43215

*Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory Commission
Washington, DC 20555

*Atomic Safety and Licensing
Appeal Board Panel
U.S. Nuclear Regulatory Commission
Washington, DC 20555

*Docketing & Service Section
Office of the Secretary
U.S. Nuclear Regulatory Commission
Washington, DC 20555



Colleen P. Woodhead
Counsel for NRC Staff