

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of )  
)  
THE CLEVELAND ELECTRIC ) Docket Nos. 50-440  
ILLUMINATING COMPANY, ET AL. ) 50-441  
)  
Perry Nuclear Power Plant, )  
Units 1 and 2) )

AFFIDAVIT OF SRINIVASAN KASTURI  
IN RESPONSE TO LICENSING BOARD'S  
MAY 9, 1983 ORDER CONCERNING ISSUE NO. 9

County of Suffolk )  
: ss :  
State of New York )

Srinivasan Kasturi, being duly sworn, deposes and says  
as follows:

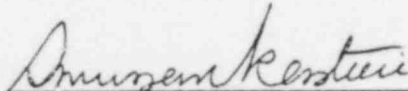
1. I, Srinivasan Kasturi, am a Manager in the Power  
Services Division, Impell Corporation (formerly EDS Nuclear Inc.)  
My business address is 225 Broad Hollow Road, Melville, New  
York, 11747. A summary of my professional qualifications and  
experience is attached hereto as Exhibit A. I have personal  
knowledge of the matters set forth herein and believe them  
to be true and correct.

2. I have reviewed the Affidavit of David R. Green in  
Response to Licensing Board's May 9, 1983 Order Concerning

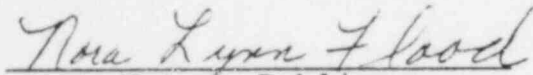
Issue No. 9 ("Green Affidavit"). CEI's testing program for electrical cable, as described in the Green Affidavit, is adequate to detect polymer degradation in electrical cable insulation at Perry Nuclear Power Plant ("PNPP") from exposure to low radiation dose rates and/or elevated temperature.

3. The adequacy of CEI's program to detect polymer degradation in electrical cable insulation is assured by a number of factors. First, the types of electrical cable to be tested are representative of the polymers used in safety-related electrical cable insulation at PNPP. Second, the environmental zones in which cable samples will be placed constitute a range of radiation dose rates and temperatures which is appropriate for testing and which envelopes the conditions to which safety-related electrical cable insulation at PNPP will normally be subjected. Third, testing will be sufficiently frequent to detect polymer degradation in electrical cable insulation, should it occur, in a timely manner to institute preventive or corrective action. Fourth, mechanical and electrical properties will be tested according to current industry guidelines. Testing of these properties is appropriate to detect polymer degradation in electrical cable insulation.

4. In conclusion, CEI's testing program will assure that polymer degradation in electrical cable insulation does not pose a threat to the public health or safety.

  
\_\_\_\_\_  
Srinivasan Kasturi

Subscribed and sworn to before me  
this 28th day of July, 1983.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

September 1, 1987

## EXHIBIT A

SRINIVASAN KASTURI

### PROFESSIONAL QUALIFICATIONS

My name is Srinivasan Kasturi. I am employed as a Manager in the Power Services Division of Impell Corporation (formerly EDS Nuclear) in Melville, New York. I joined EDS in September, 1981. My duties and responsibilities include technical overview of Environmental Qualification program activities within Impell's New York office. This encompasses establishment of project technical plans, development of solutions to Equipment Qualification problems, and review of the technical adequacy of the Equipment Qualification projects underway.

Additionally, I have been an active participant in industry Equipment Qualification groups such as the AIF Equipment Qualification Subcommittee, the EPRI Utility Advisory Group, and the IEEE.

I have been responsible for the development and issuance of several industry position papers on Equipment Qualification technical issues through the AIF and EPRI. I have been conducting several Equipment Qualification seminars and workshops on specific technical issues and I am presently coordinating the industry-sponsored Equipment Qualification Seminar under the auspices of EPRI/NSAC.

I have been involved in Equipment Qualification since 1972 in various capacities. I have personally reviewed Equipment Qualification programs on almost all types of equipment used in the industry, and I have specified and executed Equipment Qualification work through test laboratories and equipment suppliers. I have co-authored and published two papers on Equipment Qualification and presented them at the IEEE Symposium and the European Nuclear Society Symposium.

Prior to my employment with EDS Nuclear, I managed Equipment Qualification activities for NUS (1980-1981); and prior to that, I managed Instrument and Control Engineering activities which included Equipment Qualification activities for United Engineers & Constructors (UE&C) (1974-1980). I was also involved in the Qualification Testing Evaluation Program conducted by Sandia Laboratories for the NRC research branch.

Prior to my employment with UE&C, I was employed as an Instrument and Control Lead Engineer at Ebasco (1969-1974), which also included Equipment Qualification activities.

I hold a Masters Degree in Electrical Engineering (Stevens Institute, Hoboken, New Jersey), and a Masters Degree in Business Administration (Drexell University, Philadelphia, PA). I hold a BS Degree in physics and a post-graduate diploma in Instrument Technology from the University of Madras in India.

August 4, 1983

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	)	
(Perry Nuclear Power Plant,	)	
Units 1 and 2)	)	

CERTIFICATE OF SERVICE

This is to certify that copies of the foregoing "Applicants' Response to Licensing Board's May 9, 1983 Order Concerning Issue No. 9," "Affidavit of David R. Green in Response to Licensing Board's May 9, 1983 Order Concerning Issue No. 9," and "Affidavit of Srinivasan Kasturi in Response to Licensing Board's May 9, 1983 Order Concerning Issue No. 9" were served by deposit in the United States Mail, first class, postage prepaid, this 4th day of August, 1983, to all those on the attached Service List.

*Michael A. Swiger*

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Michael A. Swiger

Dated: August 4, 1983

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