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 ADENSAM, E. G. BWR Project Directorate 3

see Rpl's

SUBJECT: Forwards draft A00-1511-3, "Failure Modes & Effects Analysis of Non-1E Devices Connected to Class 1E Power to Comply W/Reg Guide 1.75," per 851003 meeting & NRC review during 851217-18 audit at facility.

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January 28, 1986
(NMP2L 0594)

Ms. Elinor G. Adensam, Director
BWR Project Directorate No. 3
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Washington, DC 20555

Dear Ms. Adensam:

Re: Nine Mile Point Unit 2
Docket No. 50-410

Enclosed for your use and information are ten copies of the report entitled, "Failure Modes and Effects Analysis (Regulatory Guide 1.75)" for Nine Mile Point Unit 2. This report describes certain cases where Non-Class 1E devices are connected to Class 1E power sources. This report is the outcome of a meeting held October 3, 1985 at Nuclear Regulatory Commission offices. A draft of this document was reviewed with the Nuclear Regulatory Commission Power Systems Branch reviewer at the audit held at Nine Mile Point 2 on December 17-18, 1985. Nuclear Regulatory Commission comments given during that meeting have been addressed in the attached report. The following paragraphs summarize the report.

The plant specific failure analysis considers all circuits containing non-1E devices directly connected to Class 1E bus and concludes that failure of each device will not degrade the Class 1E bus or the functions of the 1E devices powered from the same source.

In a few instances, overcurrent protection will be added. These devices will be incorporated in the plant prior to going above the five percent power level.

Justification is provided for certain devices, such as resistors, capacitors, fuses, junction boxes, and diodes, which demonstrates that no inherent failure modes exist which could degrade the Class 1E bus. This is based upon similarity to Class 1E devices, performance history and seismic test report information.

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A PDR

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57 SOUTH EAST ASIAN AVENUE
CHICAGO, ILLINOIS 60607

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RESEARCH ASSISTANTS
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The Department of Chemistry is seeking qualified individuals for the following positions. Applicants should have a B.S. degree in Chemistry or a related field and should be interested in research in the area of organic chemistry. The positions are for one year, starting in August 1978. The positions are open to both men and women. The positions are located in the Department of Chemistry, 57 South East Asian Avenue, Chicago, Illinois 60607. The positions are for one year, starting in August 1978. The positions are open to both men and women. The positions are located in the Department of Chemistry, 57 South East Asian Avenue, Chicago, Illinois 60607.

Applicants should send their resumes and transcripts to the Department of Chemistry, 57 South East Asian Avenue, Chicago, Illinois 60607. The resumes should be typed and should include a list of references. The transcripts should be official and should be sent in a separate envelope. The resumes and transcripts should be received by the Department of Chemistry no later than May 15, 1978.

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Ms. Elinor G. Adensam, Director
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Further, GE documents will identify non-1E fuses or other current limiting devices which are relied upon for protection of Class 1E power supplies and the non-1E devices included in Section 3 of the report. These documents will require that any future replacement or changes be equal to the original or superior in quality. Design documents will identify non-1E components listed in Section 3 and require that any future replacement or changes be equal or superior.

Very truly yours,



C. V. Mangan
Senior Vice President

NLR:ja
Enclosures
1260G

xc: R. A. Gramm, NRC Resident Inspector
Project File (2)

THE UNIVERSITY OF CHICAGO
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CHICAGO, ILL.

C. V. BRIDGEMAN

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