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 RECIP. NAME: DENTON, H.R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation

DOCKET #
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SUBJECT: Submits seismic monitoring program fourth quarterly rept covering Oct-Dec 1979, 162 cultural events w/S-P of less than few seconds recorded, 150 confirmed as explosions by responsible companies or agencies.

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in all financial dealings.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the importance of using reliable sources and ensuring the accuracy of the information gathered.

3. The third part of the document describes the process of identifying and evaluating risks. It discusses the various factors that can contribute to risk and provides a framework for assessing their potential impact on the organization.

4. The fourth part of the document focuses on the development and implementation of risk management strategies. It provides guidance on how to identify, assess, and mitigate risks effectively.

5. The fifth part of the document discusses the importance of monitoring and reviewing risk management activities. It emphasizes the need for regular communication and reporting to ensure that risks are kept under control.

6. The sixth part of the document provides a summary of the key findings and conclusions of the study. It highlights the main points and offers recommendations for future research and practice.

7. The seventh part of the document contains a list of references and sources used in the study. It provides a comprehensive overview of the literature and resources consulted during the research process.

8. The eighth part of the document includes a list of appendices and supplementary materials. These materials provide additional information and data that support the findings and conclusions of the study.

9. The ninth part of the document contains a list of figures and tables. These visual aids help to present the data and findings in a clear and concise manner, making it easier for the reader to understand the results.

10. The tenth part of the document provides a list of key terms and definitions. This section is useful for ensuring that all readers have a common understanding of the terminology used throughout the document.

11. The eleventh part of the document contains a list of acknowledgments. This section expresses gratitude to the individuals and organizations that provided support and assistance during the research process.

12. The twelfth part of the document includes a list of contact information for the authors. This information is provided for readers who may have any questions or need further clarification regarding the study.

13. The thirteenth part of the document contains a list of references. This section provides a comprehensive list of the sources used in the study, allowing readers to explore the literature further.

14. The fourteenth part of the document includes a list of appendices. These appendices provide additional information and data that are not included in the main body of the document.

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Carolina Power & Light Company

January 23, 1980

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D.C. 20555

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NOS. 1, 2, 3, AND 4
DOCKET NOS. 50-400, 50-401, 50-402, AND 50-403
SEISMIC MONITORING PROGRAM

Dear Mr. Denton:

Carolina Power & Light Company is hereby providing by attachment the fourth quarterly report of the Shearon Harris Nuclear Power Plant (SHNPP) Seismic Monitoring Program. This report includes data covering the period October 1, 1979 through December 31, 1979.

Yours very truly,

M. A. McDuffie
Senior Vice President
Engineering & Construction

SDF/jcb

Attachment

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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BOOK
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QUARTERLY DATA REPORT
SHNPP SEISMIC MONITORING PROGRAM
OCTOBER 1, 1979 - DECEMBER 31, 1979

Carolina Power & Light Company has completed another quarter of operation of its seismic monitoring program at the Shearon Harris Nuclear Power Plant site near New Hill, North Carolina. During this period a total of 162 cultural events were recorded with an S-P of less than 5 seconds. No local earthquakes were detected.

Of these 162 events, 150 were confirmed as being explosions by the responsible companies or agencies. The remaining 12 events displayed the signature and arrival pattern of previously identified cultural events and all of them occurred during daylight hours. Only one of these events was recorded on a weekend or holiday:

<u>Date</u>	<u>Day</u>	<u>GMT at Sta. 4</u>	<u>S-P at Sta. 4</u>	<u>Probable Source</u>
11-12-79	Veteran's Day	21:30:23.0	3.6	Garner Quarry

The signature and arrival pattern of this event are identical to 6 other events recorded during this quarter that were confirmed as being explosions from the Garner Quarry.



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