

REGULATORY DOCKET FILE COPY

August 19, 1980

Docket Nos. 50-250
and 50-251

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Dr. Robert E. Uhrig, Vice President
Advances Systems and Technology
Florida Power and Light Company
Post Office Box 529100
Miami, Florida 33152

Dear Dr. Uhrig:

On November 9, 1979 the Florida Power and Light Company responded to questions regarding adequacy of stations electric distributions system voltages at the Turkey Point Plant Unit Nos. 3 and 4. We have reviewed your response and find that we need additional information to complete our review. Please respond to the enclosed request for additional information within 45 days of the receipt of this letter.

I. Ahmed

Sincerely,

Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing

Enclosure:
Request for Additional
Information

cc: w/enclosure
See next page

8009090091

OFFICE	DL:ORB1	DL:ORB1				
SURNAME	MGrotenhuis;cf	SAVarga				
DATE	08/11/80	08/16/80				



1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is essential for ensuring the integrity of the financial statements and for providing a clear audit trail. The text also mentions that proper record-keeping is crucial for identifying trends and anomalies in the data.

2. The second part of the document focuses on the role of internal controls in preventing fraud and errors. It highlights that a strong internal control system is necessary to ensure that all transactions are properly authorized and recorded. The text also notes that internal controls should be designed to be effective and efficient, and should be regularly reviewed and updated.

3. The third part of the document discusses the importance of transparency and accountability in financial reporting. It emphasizes that stakeholders should have access to accurate and timely information about the organization's financial performance. The text also mentions that transparency and accountability are essential for building trust and confidence in the organization.

4. The fourth part of the document discusses the role of technology in improving financial reporting. It highlights that the use of software and automation can help to reduce the risk of errors and improve the accuracy of the data. The text also notes that technology can help to streamline the reporting process and make it more efficient.

5. The fifth part of the document discusses the importance of ongoing monitoring and evaluation of the financial reporting process. It emphasizes that the organization should regularly assess the effectiveness of its internal controls and reporting processes. The text also mentions that ongoing monitoring and evaluation are essential for identifying areas for improvement and for ensuring that the organization remains compliant with applicable laws and regulations.

6. The sixth part of the document discusses the importance of communication and collaboration in financial reporting. It emphasizes that all employees should be responsible for providing accurate and timely information. The text also notes that communication and collaboration are essential for ensuring that the reporting process is effective and efficient.

7. The seventh part of the document discusses the importance of training and education in financial reporting. It emphasizes that employees should receive regular training and education to ensure that they are up-to-date on the latest best practices and regulations. The text also notes that training and education are essential for ensuring that the organization remains compliant with applicable laws and regulations.

8. The eighth part of the document discusses the importance of documentation in financial reporting. It emphasizes that all transactions and internal controls should be properly documented. The text also notes that documentation is essential for providing a clear audit trail and for ensuring the integrity of the financial statements.

9. The ninth part of the document discusses the importance of external audits in financial reporting. It emphasizes that external audits are essential for providing an independent and objective assessment of the organization's financial performance. The text also notes that external audits are essential for building trust and confidence in the organization.

10. The tenth part of the document discusses the importance of continuous improvement in financial reporting. It emphasizes that the organization should regularly review and update its internal controls and reporting processes. The text also notes that continuous improvement is essential for ensuring that the organization remains compliant with applicable laws and regulations.

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OFFICE ▶	DL:ORB1	DL:ORB1			
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

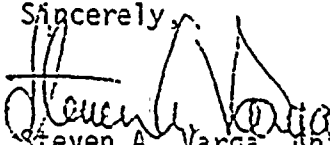
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August 19, 1980

Robert E. Uhrig
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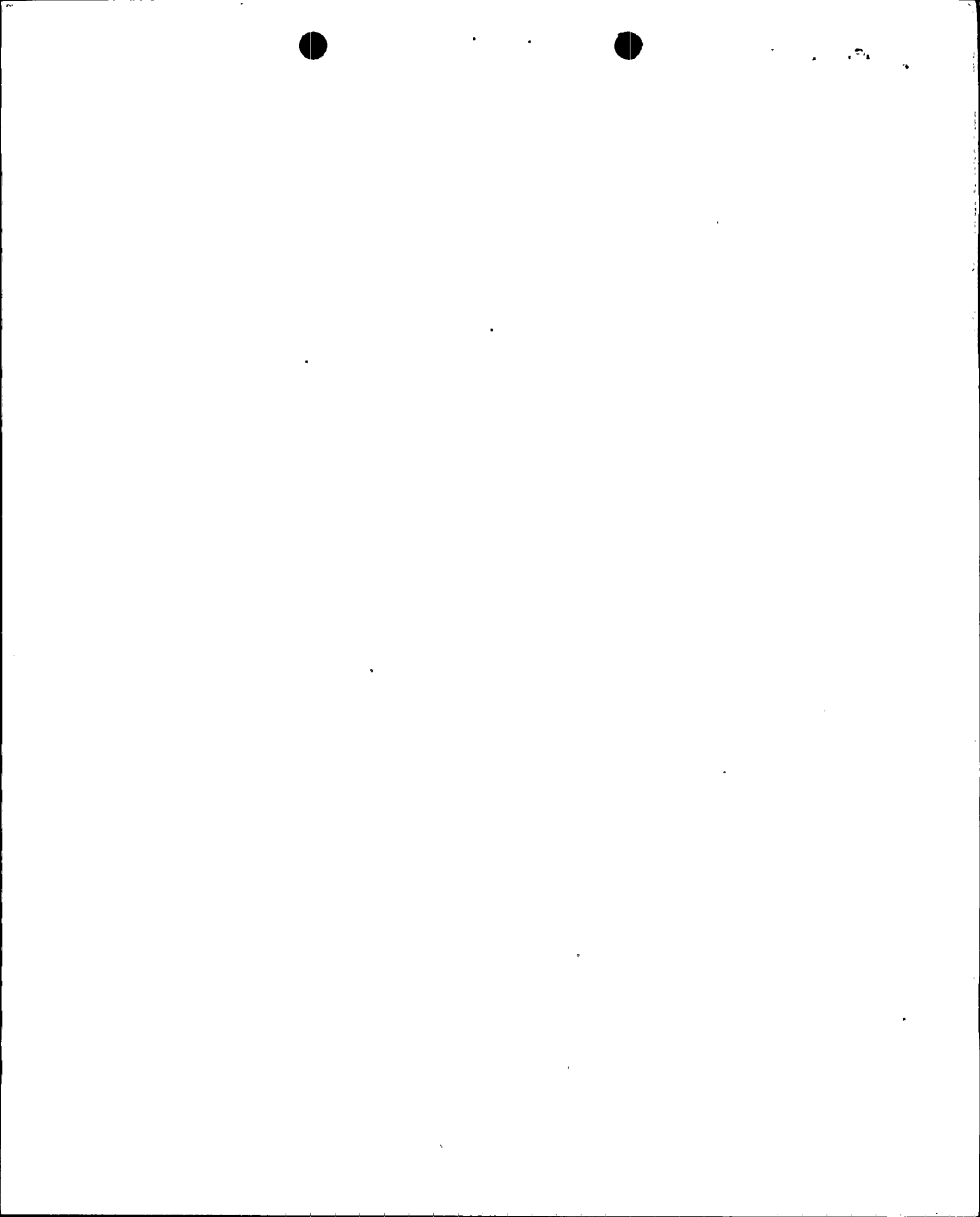
July 1, 1980

REQUEST FOR ADDITIONAL INFORMATION
TURKEY POINT #3 & #4
ADEQUACY OF STATION ELECTRIC DISTRIBUTION SYSTEM VOLTAGES

- Ref. 1: NRC letter (W. Gammill) to all power reactor licensees, dated August 8, 1979
- Ref. 2: FPL letter (Robert E. Uhrig) to NRC (W. Gammill), dated November 9, 1979

1. Guidelines 1 and 7 (Ref. 1) require that a separate analysis be performed for all available connections to the offsite network and that the analysis be adequately documented for each condition analyzed. Ref. 2 does not fully meet these requirements. To confirm the acceptability of the voltage conditions on the station electric distribution system, submit adequate voltage analysis documentation for each case and condition analyzed in Ref. 2, and additional documentation, specifically:
 - a. Requirements of Guidelines 6 and 11 as well as 5 and 13 (Ref. 1) must be included in each separate case analyzed. These guidelines refer to the use of minimum and maximum expected grid voltages, maximum or minimum loads assumed for each analyzed case and a list of assumptions made for each analyzed case.
 - b. Submit the calculated voltages for all low-voltage AC (less than 480 Volts) Class 1E Buses (including all alternate sources connections) or documentation which demonstrates that all low-voltage AC Class 1E equipment will be operating within their required voltage ratings for each use analyzed. Do these buses supply instruments or control circuits as required by GDC 13? If so, is all equipment capable of sustaining the analyzed voltages without blowing fuses, overheating, and without affecting the equipment's ability to perform the required functions?

- c. Per Guidelines 3 and 9 (Ref. 1), compare the effect of starting and running the largest Non-Class 1E load on all Class 1E buses and loads with the required voltage range for normal operation of all Class 1E equipment (starters, contactors, motors, etc.) for each available connection of offsite power. The comparison should occur after the Class 1E buses are fully loaded.
 - d. Guideline 2 (Ref. 1) requires a separate voltage analysis be submitted for multi-unit stations. This voltage analysis should assume an accident or anticipated transient in one unit (unit 3 or 4) and the simultaneous shutdown of all the other units (unit 3 or 4).
2. Ref. 1, Page 2, Paragraph 4 requests that a review of the electrical power system be made to determine if there are any events or conditions which could result in the simultaneous or consequential loss of both required circuits to the offsite network (violation of GDC-17). Ref. 2 did not contain the requested review. Submit a review to meet this NRC request.
3. Ref. 1, Page 2, Paragraph 3 states that the analysis of the adequacy of the onsite distribution system from offsite sources be verified by test. FPL did not submit an analysis verification in Ref. 2. Submit (a) a description of the method for performing this verification, and (b) the test results.
4. Verify per NRC Guidelines 10 and 12 (Ref. 1) that the undervoltage protection relays' setpoints (voltage and time) will not spuriously separate the Class 1E buses from offsite sources when the auxiliary loads normally supplied from the unit auxiliary transformer are



transferred to the start up transformer for each case analyzed. The verification must include both the first-level (loss of voltage) and the second-level (degraded voltage) undervoltage protection schemes.

5. Ref. 2, Page 3, Paragraph 2 states that several loading configurations analyzed resulted in the required minimum switchyard voltage to be above the minimum expected grid voltage of 235KV. To ensure the plant is not operated in any configuration requiring the minimum switchyard voltage to be above the 235KV level, special operating procedures were formulated. Submit in detail those loading configurations analyzed above and the formulated operating procedures.

6. Ref. 2, Page 3, Paragraph 2 also states that "In event of equipment malfunctions requiring operation of the plant in a configuration other than mentioned above, the operators are instructed to ensure the switchyard voltage remains greater than the analysis voltage for that operating condition, or immediately reduce the output on the unit to allow reduction of loading on the critical switchgear." This "...reduction of loading..." implies the need for manual load shedding to ensure adequate distribution system voltages are obtained. Guideline 4 (Ref. 1) states that no manual load shedding should be assumed. Submit how FP&L will comply with this NRC requirement. All plant operating configurations must be covered in response to Question 1 of this document.