



FLORIDA POWER & LIGHT COMPANY  
February 19, 1976  
L-76-61

Mr. John G. Davis, Acting Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Davis:

Re: 10 CFR 50.55(e) Final Report  
Improper Containment Boundary  
Quality Group Designation  
St. Lucie Unit No. 1

*50-335*

On January 22, 1976, I forwarded an interim report to you concerning the improper quality group designation of a number of the containment boundary penetrations at St. Lucie Unit No. 1. A final report of this incident is herewith forwarded to you in accordance with 10 CFR 50.55(e).

Yours very truly,  
*J. A. De Mistry*  
*for*

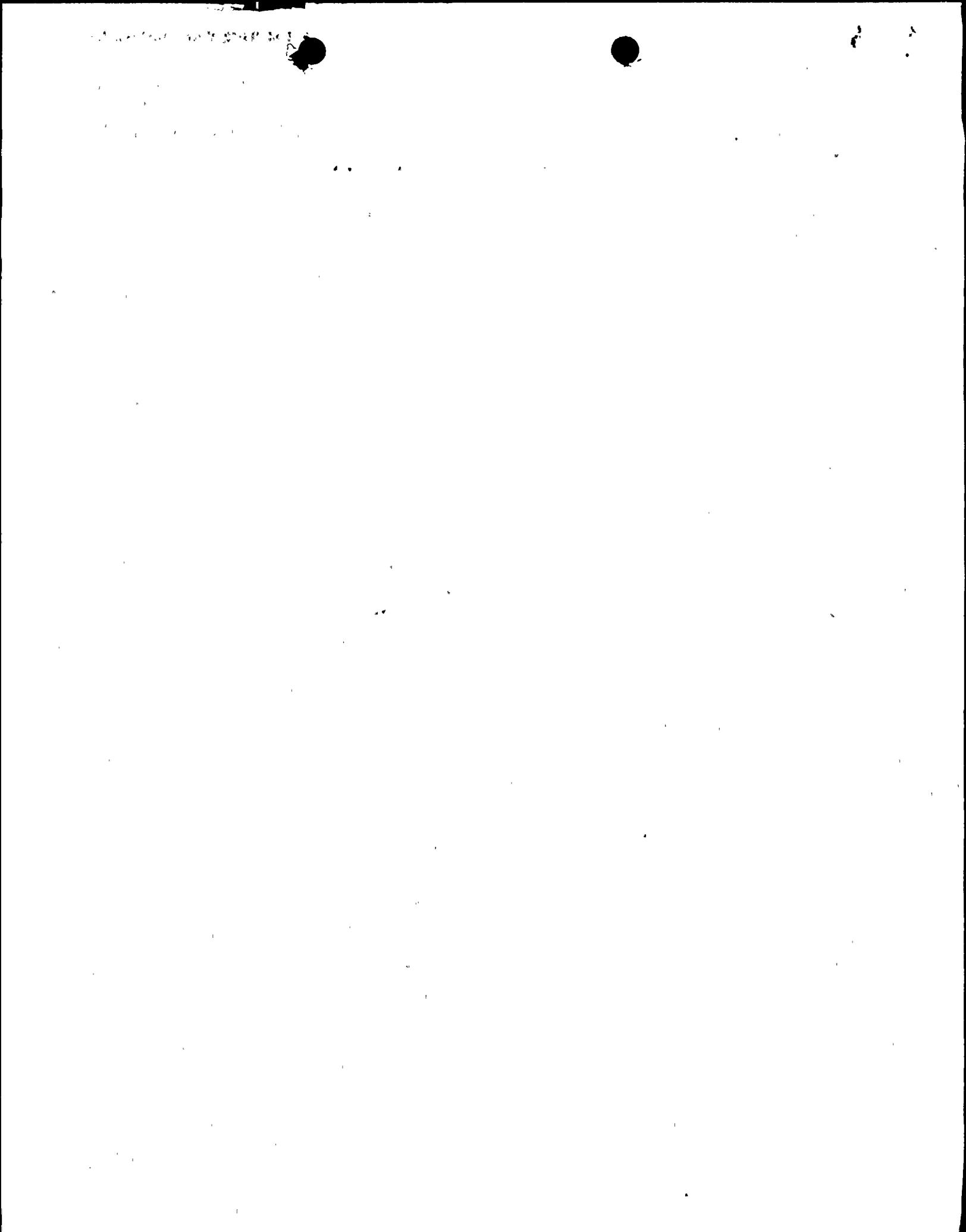
Robert E. Uhrig  
Vice President

REU:nch  
Attachment

cc: M. S. Kidd  
Norman C. Moseley  
Jack R. Newman, Esq.

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FLORIDA POWER & LIGHT COMPANY

ST. LUCIE PLANT - UNIT #1

FINAL REPORT

CONTAINMENT BOUNDARD  
QUALITY GROUP DESIGNATION

February, 1976



[The text in this section is extremely faint and illegible. It appears to be a multi-paragraph document with several lines of text per paragraph. The content is not discernible.]

I. SUMMARY

During an updating of piping and instrumentation diagrams, it was noted that the lines and containment isolation valves attaching to fourteen containment penetration assemblies were designated as Quality Group C. Since these lines and their respective isolation valves comprise part of the containment boundary, the appropriate quality group designation is "B" as stated in FSAR Table 3.2-1.

A review to determine the additional NDE and other QA and code requirements necessary to upgrade Quality Group C lines and valves to Quality Group B has been performed. The upgrading efforts are complete with no major repair work having resulted from the efforts.

II. DESCRIPTION OF DEFICIENCY

The following containment penetration isolation boundary piping had been procured as Quality Group C in total or in part up to and including the containment isolation valves located outside containment:

<u>PENET. NO.</u>	<u>SERVICE</u>
14	Nitrogen Supply
15,17,19,21	Containment Fan Coolers Cooling Water Return
16,18,20,22	Containment Fan Coolers Cooling Water Supply
23	Reactor Coolant Pump Cooling Water Supply
24	Reactor Coolant Pump Cooling Water Return



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Dear Mr. [Name],

I have received your letter of the 15th and am sorry that I cannot give you a more definite answer at this time. The matter is still under consideration and I will contact you again as soon as a final decision has been reached.

I am sure that you will understand the need for thoroughness in this process and appreciate the time it takes to review all the relevant information.

I will be in touch with you again in the next few days.

Very truly yours,

[Signature]

[Address]

[Phone Number]

PENET. NO.

SERVICE

31

Containment Vent Header

41

Safety Injection Tank Test Line

43

Reactor Drain Tank Pump Suction

The differences between Quality Group B and C (code class 2 and 3, respectively) are mainly manifest in the quality assurance requirements, ie, level of nondestructive examination (NDE), materials traceability, and inservice inspection. Design code stress allowables remain unchanged as noted in FSAR Table 3.9-3.

Section IV of this report provides a tabulation of the NDE performed for the components under consideration.

III. SAFETY IMPLICATIONS

While no real consequence is to be expected from the improper classification of these components since code class 2 and 3 components have identical design stress requirements, a deviation from stated FSAR requirements was in evidence.

IV. CORRECTIVE ACTION

All piping valves, fittings, field welds and shop welds associated with the aforementioned penetrations were investigated as a result of the upgrading effort to establish the level of NDE previously required by code class 3 of the design codes applicable to St. Lucie Unit 1 (and/or by Ebasco design

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is essential for the proper management of the organization's finances and for ensuring compliance with applicable laws and regulations.

2. The second part of the document outlines the specific procedures that should be followed when recording transactions. This includes the use of standardized forms and the requirement that all entries be supported by appropriate documentation, such as invoices and receipts.

3. The third part of the document addresses the issue of internal controls. It stresses that a robust system of internal controls is necessary to prevent errors and fraud, and to ensure that the organization's assets are protected.

4. The fourth part of the document discusses the role of the accounting department in providing accurate and timely financial information to management. It highlights the importance of regular reporting and the need for transparency in all financial matters.

5. The fifth part of the document concludes by reiterating the organization's commitment to high standards of financial integrity and accountability. It expresses confidence that the implementation of the outlined procedures will lead to improved financial performance and operational efficiency.

specifications which often exceed minimum code requirements) for comparison with the level of NDE required by code class 2 of those codes (refer to Table 1). Additional NDE required has been completed. Records of all radiography, magnetic particle and/or liquid penetrant tests performed are on file at the Ebasco site Quality Control Department.

Minor defects uncovered by NDE have been resolved using procedures which are in accordance with the applicable codes. All areas will be satisfactorily completed prior to fuel loading, scheduled for March 1, 1976.



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COMPARISON OF CODE CLASS 2 and 3 NDE REQUIREMENTS \*

COMPONENT	CODE CLASS 2		CODE CLASS 3	
	EBASCO SPEC 850-10	CODE	EBASCO SPEC 850-10	CODE
Seamless Piping	100% UT weld ends - LP	Mat'l Spec	Mat'l Spec	Mat'l Spec
Forged Fittings	100% UT 100% LP or MT	Mat'l Spec	100% LP or MT	Mat'l Spec
Cast Fittings	100% RT 100% LP or MT	LP or MT Static: RT Centrifugal: UT to RT	RT (to 2" from weld end) LP or MT	Mat'l Spec
Butt Welds	100% RT 100% LP or MT	100% RT MT $\leq$ 4"NPS	10% RT $\geq$ 2 1/2" 100% Visual	Random RT $>$ 4" 100% Visual
Socket Welds 2" and under	LP or MT	LP or MT	Not Req'd	Not Req'd
Branch Conn.	100% RT $\geq$ 4" 100% LP or MT	100% RT $>$ 4" LP or MT $\leq$ 4"	10% RT $\geq$ 4"	Random LP or MT 4" and over
Cast Valves	100% RT 100% LP or MT	RT + LP or MT	RT (to 2" from weld end) 100% LP or MT	Not req'd
Forged Valves	100% UT $\geq$ 2 1/2" 100% LP or MT	Mat'l Spec	100% LP or MT	Mat'l Spec

\*ANSI B31.7 (1969), 1968 Draft Pump & Valve Code, Ebasco Spec 850-10



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