

USNRC REGION II
ATLANTA, GEORGIA



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July 24, 1980
L-80-234

Central File
50-250
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Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: RII:JPO
50-250, 50-251
IE Bulletin 80-11

In response to the subject bulletin, the attached information is submitted. The detailed listing of systems requested by paragraph 1 has been completed and is available on site for your review. This information will also be included in the report containing the results of the wall re-evaluation program.

Very truly yours,

for *Robert E. Uhrig*
Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/PLP/pa

cc: Harold F. Reis, Esquire

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PEOPLE ... SERVING PEOPLE

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ATTACHMENT

Re: RII:JPO
50-250 & 50-251
IE Bulletin 80-11

MASONRY WALL DESIGN

Florida Power and Light Company has instituted a field inspection program and design re-evaluation program to confirm the adequacy of the existing masonry wall design at Turkey Point Units 3 & 4 as requested by NRC Bulletin 80-11, May 8, 1980, "Masonry Wall Design". The following initial response addresses items 1, 2a and 3 respectively as requested by the subject bulletin. Implementation of the re-evaluation program will follow the milestone dates as established by priority in response to 2a.

Response Item 1:

Identification of the masonry walls at Turkey Point Nuclear Units 3 and 4 was accomplished by carrying out a walkdown survey in accordance with an approved walkdown procedure.

The survey was performed by teams of engineering personnel. Prior to commencement of the survey, all survey personnel were given a training program which described the requirements of NRC IE Bulletin 80-11, detailed the information to be gathered and procedures to be followed, described the forms, sketches, and checklists to be generated, and explained quality assurance requirements. The survey teams carried out a walkdown of masonry walls and/or safety-related items and systems to identify masonry walls that are in proximity to or have attachments from safety-related items. Drawings and lists of safety-related systems and components were provided on a controlled basis for the use of the survey personnel.

All concrete masonry walls in safety-related areas (except as noted below) were walked down by the survey team. All concrete masonry walls were walked down, regardless of whether the function of the wall was to resist impact or pressurization loads (such as missiles, pipe whip, pipe break, jet impingement, or tornado) or to act as a fire or water barrier or a shield wall. For each wall, a determination was made as to whether the wall supported or was in proximity to safety-related items, the following information was recorded:

- a. Dimensional location and identification of all safety-related and significant non-safety-related items attached to the wall; significant non-safety-related items include all pipes and con-

duits greater than one inch in diameter, groups of items adding equivalent loads (e.g., multiple conduit runs), and any attachments estimated by the survey team to weigh at least 25 pounds.

- b. Approximate location and identification of safety-related items in proximity to the wall.

The Unit No. 3 Containment Building was not surveyed because of inaccessibility during normal plant operations. However, design drawings do not indicate any concrete masonry walls in this area; also, no concrete masonry walls were found in the Unit No. 4 Containment Building. For these reasons, we plan not to do a walkdown within the Unit No. 3 Containment.

Three demineralizer rooms in the Auxiliary Building cannot be surveyed because of high radiation levels. Design drawings do not indicate any concrete masonry walls or safety-related items in these areas.

Three rooms in the Auxiliary Building could not be surveyed because of inaccessibility; these rooms were the Gas Decay Tank rooms and the Spent Resin Storage Tank Pit. Design drawings do not indicate any concrete masonry walls or safety-related items in these areas.

There are a total of 99 concrete masonry walls in Turkey Point Nuclear Units 3 and 4 which are in proximity to or have attachments from safety-related piping or equipment.

The field inspection reports describing the safety-related components attached to or in the proximity of the walls are available at the site for review by your inspectors.

Response Item 2A:

The priorities for the analysis of the individual walls are based on the loadings on the wall. These categories are as follows:

- Priority A: Walls supporting large safety-related piping and large safety-related conduit or cable tray.
- Priority B: Walls supporting large safety-related piping.
- Priority C: Walls supporting large safety-related conduit or cable tray.
- Priority D: Walls supporting other safety-related items.
- Priority E: Walls supporting large non-safety-related piping and large non-safety-related conduit or cable tray.
- Priority F: Walls supporting large non-safety-related piping.
- Priority G: Walls supporting large non-safety-related conduit or cable tray.
- Priority H: Walls supporting other significant non-safety-related items.

Priority I: Walls supporting no significant loads, but in proximity to safety-related items.

Large piping is defined as piping 2½ inches (or more) in diameter. Large conduit is defined as conduit 2 inches (or more) in diameter; furthermore, a group of smaller conduits on a single support creating a loading equivalent to one 2-inch conduit is also considered to be a large conduit.

The prioritized schedule for completion of the re-evaluation of concrete masonry walls is as follows:

<u>Priority</u>	<u>Scheduled Completion Date</u>
A	August 29, 1980
B	September 5, 1980
C	September 12, 1980
D	September 19, 1980
E	September 19, 1980
F	September 19, 1980
G	September 26, 1980
H	October 10, 1980
I	October 17, 1980

Response Item 3:

Justification for the re-evaluation criteria will be submitted with the re-evaluation report within 180 days of the date of the Bulletin received. Justification will be based on reference to effective codes and established standard of practice related to concrete and masonry design typically used throughout the industry.

It is anticipated that such justification will be considered appropriate and that a test program will not be necessary.

STATE OF FLORIDA)
)
COUNTY OF DADE)

ss.

 A. D. Schmidt , being first duly sworn, deposes and says:

That he is Vice President of Florida Power &
Light Company, the herein;

That he has executed the foregoing document; that the state-
ments made in this said document are true and correct to the
best of his knowledge, information, and belief, and that he is
authorized to execute the document on behalf of said

A. D. Schmidt

A. D. Schmidt

Subscribed and sworn to before me this

 24 day of July , 19 80

Cheryl I. Fredrick

NOTARY PUBLIC, in and for the County of Dade,
State of Florida

My commission expires:

Notary Public, State of Florida at Large
My Commission Expires October 30, 1983
Bonded thru Maynard Bonding Agency

