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 50-251 TURKEY POINT PLANT, UNIT 4, FLORIDA POWER AND LIGHT C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 UHRIG, R.E. FLORIDA POWER & LIGHT CO.
 RECIP. NAME RECIPIENT AFFILIATION
 SCHWENCER, A. OPERATING REACTORS BRANCH 1

SUBJECT: RESPONDS TO 790109 REQUEST FOR ADDL INFO RE GENERIC INFO ON
 BECHTEL DESIGNED CONTAINMENTS & BECHTEL RECOMMENDATION FOR
 SEALING COVERS.

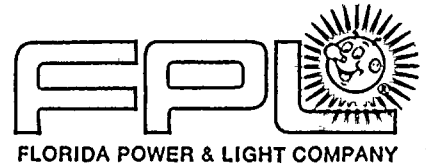
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March 1, 1979
L-79-50

Office of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Schwencer:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Tendon Surveillance

We have reviewed your January 9, 1979 request for additional information and our response is attached.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/MAS/cpc

Attachment

cc: Mr. James P. O'Reilly, Region II
Robert Lowenstein, Esquire

REGULATORY DOCKET FILE COPY

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ATTACHMENT

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Tendon Surveillance

Question 1 (Units 3 & 4)

Many generic information requests, also valid for the subject facilities, have been issued on Bechtel designed containments (e.g., on Arkansas Nuclear One - Unit #1 and Calvert Cliffs Unit #1). These requests have been forwarded to the respective licensees, are therefore available to Bechtel, and need not be repeated here. They may be grouped as follows:

- Basic Unit for tendon surveillance is the whole tendon and not the individual wire.
- Study of miscellaneous tolerances.
- Technique of the lift-off test and study of errors - probable and mean.
- Technique of wire removal and danger of damaging the wire.
- Evaluation of prestressing losses, and normalizing factors.
- Bechtel's criteria for tendon surveillance.

Provide responses to the earlier requests either by a discussion, a study with definite conclusions, or express your agreement with our statements as contained in those requests.

Response 1

The question refers to "generic" information requests regarding containment design. Through our Architect-Engineer, we have received responses to two of these requests (Docket Nos. 50-313 and 50-317), however, we have been unable to determine how the requests can be characterized as generic, or how they can be readily adapted to the Turkey Point dockets. The NRC questions refer to statements made in other plant specific submittals, which appear to be quite different from the Turkey Point "Containment Structure Post-Tensioning System Fifth Year Surveillance Reports". Clarification of question 1 is requested.

Question 2 (Unit 3)

In regard to the Bechtel recommendation of sealing the covers (paragraph 2.1 page 2):

- a. Explain the sealing method which will be used to make the pocket covers water tight and present the quality control procedure of this operation.
- b. Explain the method by which the present water will be removed and indicate the procedure which will be followed to check whether all the water has effectively been removed.
- c. Explain the procedure which will be followed to check for new condensed water which might be collected in the future (by penetrating through vents, cracks or other water paths). What provisions will be made to absorb such future condensed water?

Response 2

- a. Plant Change/Modifications (PC/M's 79-15 and 79-16) have been prepared and approved for sealing the pocket covers protecting the vertical surveillance tendons on the containments of both Turkey Point Units 3 and 4. The six covers will be sealed water tight by (1) installation of a wider gasket at the mating surface between the pocket cover and its support, (2) installation of eight additional bolts to secure the cover and replacing the six existing machine screws (which secure each cover) with bolts, and (3) sealing around the edge of the cover and bolts with a caulking compound. The work will be performed in accordance with a Construction Work Process sheet with Quality Control points to verify that standing water has been removed and that the sealing method is implemented as described above.
- b. Any standing water will be pumped out and the pocket will be dried with an absorbent material prior to reinstalling the pocket cover. A Quality Control holdpoint during the repair will require visual verification that any standing water has been removed.
- c. Water would have to leak around the pocket cover in order to enter the vertical pocket. The sealing method described in Response 2.a is intended to preclude such leakage. The vertical tendons are scheduled to be inspected again in 1982.