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ACCESSION NBR: 8303170504 DOC. DATE: 83/03/15 NOTARIZED: NO DOCKET #
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 URRIG, R.E. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Forwards "Evaluation of Acceptability of Reactor Vessel Head Lift Rig, Reactor Vessel Internals, Lift Rig, Load Cell, Load Cell Linkage & Reactor Coolant Pump Motor Lift Sling to Requirements of NUREG-0612," in response to 830222 ltr.

SEE SUBJECTS FILES FOR WCAP-10168 ACC.# 8303170516

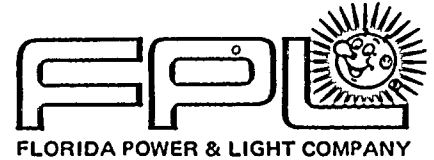
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Add: Fred Clemenson - 4 cys

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March 15, 1983
L-83-146

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

Dear Mr. Varga:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Control of Heavy Loads
Technical Evaluation Report

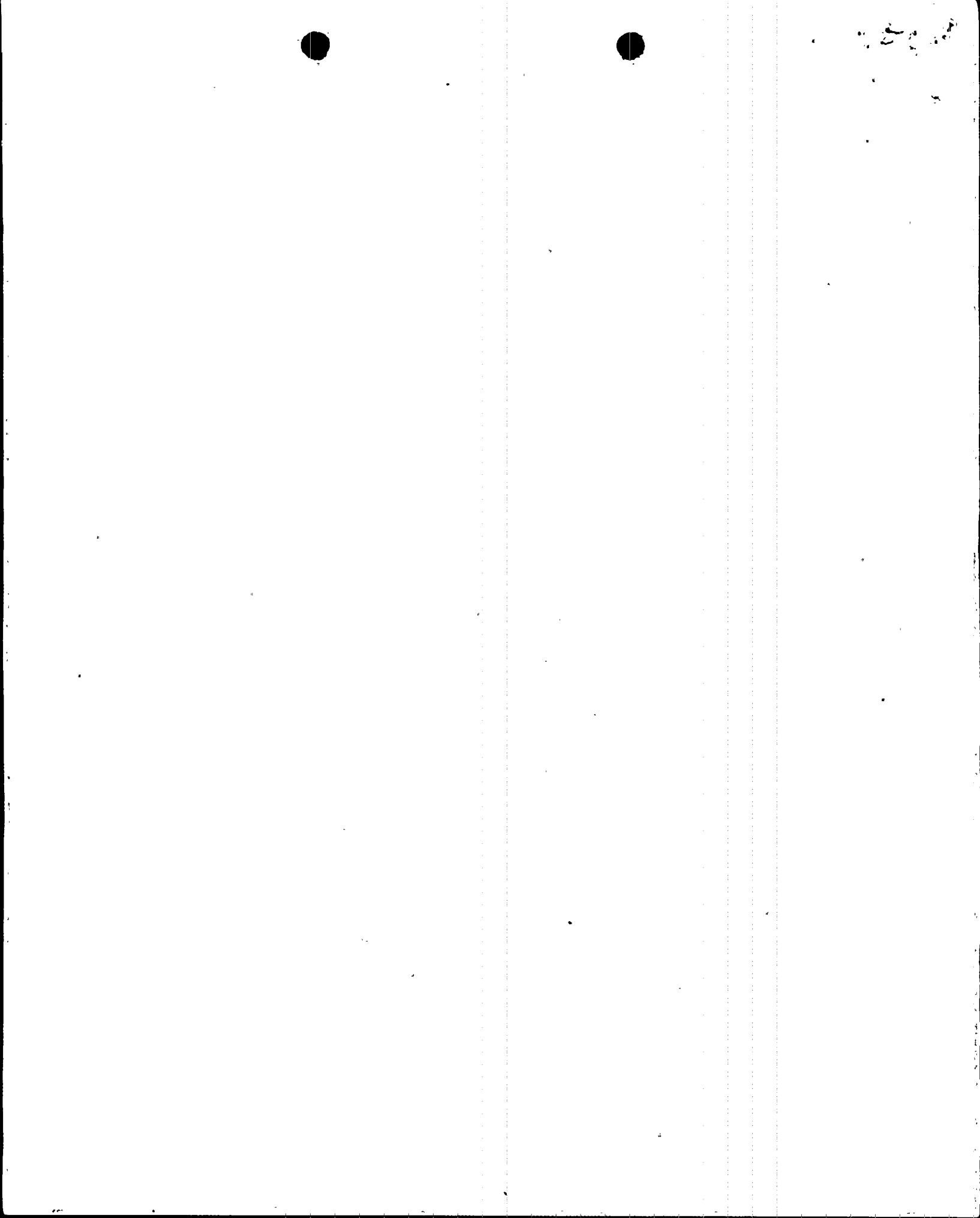
In our letters (L-82-346) dated August 10, 1982, and (L-83-71) dated February 11, 1983, we provided additional information on the items in the Draft Technical Evaluation Report on Control of Heavy Loads at Turkey Point Units 3 & 4.

The purpose of this letter is to provide additional information on Guideline 4 (Special Lifting Devices) and to provide information in response to Enclosure 2 of the NRC letter dated February 22, 1983, on this subject. This NRC letter also requested a meeting to resolve the open items in the Technical Evaluation Report.

With the exception of the information concerning the crane design evaluations (Guideline 7), we have attached information which, in our opinion, shows that we meet the staff's remaining requirements. Because the crane design information is not available, and because this is the only significant open item remaining, we propose that the suggested meeting be postponed until the crane design evaluations are received from our crane vendors, and are submitted to the NRC for review.

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Office of Nuclear Reactor Regulation

Should you or your staff have any questions on this information, or on our proposed postponement of the meeting, please contact us.

Very truly yours,

A handwritten signature in black ink, appearing to read "Robert E. Uhrig". The signature is fluid and cursive, with a large initial "R" and "U".

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/PLP/cab
Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire
PNS-LI-83-185-1

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RE: TURKEY POINT UNITS 3 & 4
DOCKET NOS. 50-250, 50-251
CONTROL OF HEAVY LOADS
TECHNICAL EVALUATION REPORT

ADDITIONAL INFORMATION REQUIRED FROM TURKEY POINT UNITS 3 AND 4

1. RECOMMENDATION/OPEN ITEM

Florida Power & Light Company (FPL) should develop and use safe load paths or corridors within containment that avoid, to the extent practical, the movement of heavy loads over equipment provided for plant shutdown or decay heat removal.

RESPONSE

FPL will develop individual safe load paths for major loads which are routinely carried along the same route each time they are moved. These paths will be indicated on the load path sketches for use by the crane operators. For other loads that do not use the same route each time, it is our opinion that the engineering review, which determined the exclusionary load paths, provides assurance that required safe shutdown and decay heat removal equipment will not be affected by an incident associated with the movement of heavy loads. An example of this exception would be for Reactor Coolant Pump motors, which are moved to open areas in the containment for maintenance. Because they could be taken to several different locations, depending on other scheduled work, it would be confusing and impractical to try to establish a certain single load path for these loads. The exclusion areas sketches will protect the necessary equipment during the movement of these loads.

2. RECOMMENDATION/OPEN ITEM

FPL should provide suitable visual aids to assist the crane operator and ensure that loads follow designated load paths while remaining outside of exclusion areas.

RESPONSE

The evaluation criteria provided with this recommendation/open item states that this criteria can be met by providing visual aid in lieu of permanent markings, and that the visual aid may consist of the use of crane supervisors/signalmen to direct the crane operator.

Turkey Point procedures, require the use of a signalman to direct the crane operator. The procedures will be reviewed to ensure that the signalman's responsibilities are clearly delineated.

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3. RECOMMENDATION/OPEN ITEM

The Licensee should specify, in crane operating procedures, the specific criteria to be used by supervisors to determine whether a pre-shift upper limit switch test is required.

RESPONSE

Turkey Point procedures will be revised to provide the specific criteria to be used by supervisors to determine whether a pre-shift upper limit switch test is required.

4. RECOMMENDATION/OPEN ITEM

FPL should assess special lifting devices to determine compliance with the requirements of ANSI N14.6-1978. Such an assessment should include verification of design adequacy, as well as implementation of programs that ensure continuing compliance with the criteria of ANSI N14.6-1978, Section 5.

RESPONSE

The evaluation of special lifting devices designed by Westinghouse is attached. In Section 6 of the report, recommendations are made to address those areas where the lifting devices are not completely compatible with ANSI 14.6. FPL will implement these recommendations except for Item 6.7, which is a suggestion for ease of inspection and not a regulatory issue; this item will be evaluated further at a later time. Also, Item 6.5 will be met by installation of a separate load cell on the reactor head lift rig, in lieu of modifying the internal load cell for use on both lift rigs.

5. RECOMMENDATION/OPEN ITEM

FPL should complete the design review of electrical overhead traveling cranes within the scope of NUREG-0612 to determine their equivalence, in matters related to load handling reliability, to cranes designed and fabricated in accordance with CMAA-70.

RESPONSE

FPL's schedule for completion of the crane design review is dependent on the completion of work by the crane vendor. The schedule date for submittal of this item is still August 15, 1983.

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6. RECOMMENDATION/OPEN ITEM

FPL should implement new, or revise existing, technical specifications to prohibit movement of any heavy loads, inside the spent fuel building, over irradiated fuel in the spent fuel pool.

RESPONSE

FPL will submit a technical specification to prohibit movement of heavy loads over irradiated fuel in the spent fuel pool.

Attachment



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