

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8304050447 DOCL DATE: 83/04/01 NOTARIZED: YES DOCKET #: 05000261  
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolinal Power and Light  
 AUTH. NAME: AUTHOR AFFILIATION  
 EURY, L.L.N. Carolinal Power & Light Co.  
 RECIPI. NAME: RECIPIENT AFFILIATION  
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards proprietary "Flux Reduction Action Plan,"  
 documenting info presented at 830311 meeting w/NRC. Plan  
 discloses new core design providing significant addl flux  
 reduction at critical welds. Encl withheld (ref 10CFR2.790).

DISTRIBUTION CODE: A049S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3+9  
 TITLE: OR Submittal: Thermal Shock to Reactor Vessel

## NOTES:

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Carolina Power & Light Company

SERIAL: LAP-83-79

APR 01 1983

Mr. H. R. Denton, Director  
Office of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
PRESSURIZED THERMAL SHOCK

Dear Mr. Denton:

On March 11, 1983 Carolina Power & Light Company (CP&L) met with members of your staff to discuss CP&L's ongoing efforts in the area of flux reduction as it relates to the Pressurized Thermal Shock (PTS) issue. At the meeting, CP&L disclosed its plans for a new core design which would provide significant additional flux reduction at the critical welds in the H. B. Robinson Reactor Vessel. Additionally, at the meeting, CP&L discussed the need for relief in the area of thermal limits in order to utilize this new core design and CP&L outlined the methods it intends to use to justify the new target goals for thermal limits.

The attached Flux Reduction Action Plan documents the information provided to your staff on March 11, 1983 and requests a prompt review of the schedule and methods CP&L plans to follow and use. It is our view that the relief required in thermal limits is within the authority of you and your staff to grant, and that the methods and models CP&L intends to use to produce the reload analysis for the next cycle at H. B. Robinson do not require any exemptions from existing rules and regulations. The methods and models outlined will require, however, the dedication of resources to the expedited review of some of the documents discussed in the attached Action Plan.

It is, therefore, requested that the NRC review the methods, models, and schedule contained in the attached Action Plan for acceptability and achievability. It is requested that the result of that review be forwarded formally to CP&L by May 20, 1983. If the plan is found to be acceptable, CP&L requests that the NRC document, at that time, its commitment to achieving the schedule requested and the acceptability of using the methods described. It is intended that this NRC approval and commitment would form an envelope in which the next cycle reload analysis could be performed with prior assurance that the results would be acceptable from a methods standpoint.

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H. R. Denton

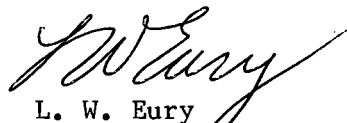
-2-

Carolina Power & Light Company believes that significant positive benefits can be achieved by additional flux reduction at the H. B. Robinson critical welds. Carolina Power & Light Company has dedicated a large amount of resources to achieving those benefits and is committed to the installation of its new core design at the first opportunity. Carolina Power & Light Company, however, requires a similar commitment and dedication by the NRC in order to achieve these goals. Therefore, CP&L is looking forward to receipt of your review of the attached plan within the time frame outlined.

Carolina Power & Light Company has reviewed the material contained in the enclosure to this letter and has determined that the enclosure contains information proprietary to CP&L. An affidavit to that effect is attached. Carolina Power & Light Company, therefore, requests that the attached Flux Reduction Action Plan be withheld from public disclosure pursuant to 10 CFR §2.790(b)(1).

If you have any questions on the contents of this letter, please do not hesitate to contact our staff.

Yours very truly,



L. W. Eury  
Senior Vice President  
Power Supply

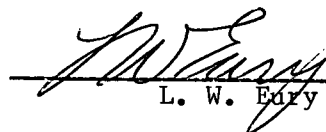
JJS/pgp (6461JJS)  
Attachment

cc: Mr. J. P. O'Reilly (NRC-RII)  
Mr. G. Requa (NRC)  
Mr. Steve Weise (NRC-HBR)

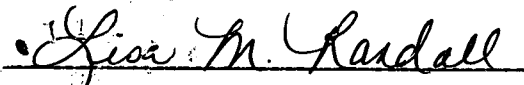
AFFIDAVIT OF  
L. W. EURY

L. W. Eury having been first duly sworn hereby deposes and says as follows:

1. I am the Senior Vice President - Power Supply of Carolina Power & Light Company (CP&L). As an officer of the Company, I am authorized to apply for the withholding of proprietary information from public disclosure by the Nuclear Regulatory Commission.
2. The information CP&L seeks to withhold from public disclosure consists of new fuel assembly and reactor core designs.
3. The subject fuel assembly and reactor core designs are the subject of patent proceedings and CP&L seeks to withhold this information from public disclosure until those proceedings are complete.
4. The information concerning the fuel assembly and core designs is the type of information which would normally be withheld from public disclosure by CP&L during patent proceedings. Premature public disclosure of the information would place CP&L at a competitive disadvantage by allowing fuel vendors the opportunity to attempt to sell to CP&L and other reactor owners these designs which were developed by CP&L.
5. The information sought to be withheld from disclosure is not available from public sources.

  
L. W. Eury

Sworn to and subscribed before me  
this 1st day of April, 1983.

  
Lisa M. Randall

My commission expires: 5-18-83

# PROPRIETARY INFORMATION

## NOTICE

THE ATTACHED DOCUMENT CONTAINS "PROPRIETARY INFORMATION" AND SHOULD BE HANDLED AS NRC "OFFICIAL USE ONLY" INFORMATION. IT SHOULD NOT BE DISCUSSED OR MADE AVAILABLE TO ANY PERSON NOT REQUIRING SUCH INFORMATION IN THE CONDUCT OF OFFICIAL BUSINESS AND SHOULD BE STORED, TRANSFERRED, AND DISPOSED OF BY EACH RECIPIENT IN A MANNER WHICH WILL ASSURE THAT ITS CONTENTS ARE NOT MADE AVAILABLE TO UNAUTHORIZED PERSONS.

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