

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8112180435 DOC. DATE: 81/12/14 NOTARIZED: YES DOCKET #  
 FACIL: 50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261  
 AUTH. NAME AUTHOR AFFILIATION  
 ZIMMERMAN, S. R. Carolina Power & Light Co.  
 RECIPIENT NAME RECIPIENT AFFILIATION  
 EISENHUT, D. G. Division of Licensing

SUBJECT: Submits correction to util 811119 response to Generic Ltr  
 81-21 re natural circulation cooldown. Tech Specs require min  
 of 35,000 gallons of water in condensate storage tank for  
 normal makeup to secondary sys.

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 TITLE: Natural Circulation Cooldown (GL 81-21) Responses-Multiplant Action B

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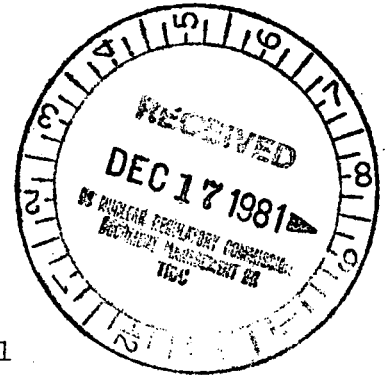
Carolina Power & Light Company

December 14, 1981

File: NG-3514(R)

Serial No.: NO-81-2054

Mr. D. G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, D.C. 20555



H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
REVISED RESPONSE TO NRC GENERIC LETTER NO. 81-21  
NATURAL CIRCULATION COOLDOWN

Dear Mr. Eisenhut:

In Carolina Power & Light Company's (CP&L) letter of November 19, 1981, responding to Generic Letter No. 81-21 regarding Natural Circulation Cooldown, CP&L has discovered a typographical error which resulted in incorrect information being provided to you. In the next to last sentence of our response to NRC Item 2 we stated "...by the Water Treatment System, if off-site power is not available." This statement should have read as follows:

If additional auxiliary feedwater is required, it can be provided by the Water Treatment System, if off-site power is available, or the service water system if off-site power is not available.

Because our original response to this item provided erroneous information due to the typographical error, we are submitting the following corrected response.

NRC Item 2

Verify that supplies of condensate-grade auxiliary feedwater are sufficient to support your cooldown method.

CP&L Response

The Robinson Technical Specifications require a minimum of 35,000 gallons of water (approximately 19% indicated level) in the condensate storage tank (CST) for normal make-up to the secondary system. An unlimited backup water supply is available from the Robinson Impoundment via the

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plant Service Water System. Although not condensate grade, the service water is of sufficient quality to provide long term cooling to the steam generators without adverse affects. The 35,000 gallon requirement satisfies the amount needed for at least two hours of operation in hot standby conditions following a complete loss of turbine-generator and off-site electrical power. It should be noted that the tank level is normally maintained at 90% full. If additional auxiliary feedwater is required, it can be provided by the Water Treatment System, if off-site power is available, or the Service Water System if off-site power is not available. Both systems are the normal backup for auxiliary feedwater, and provide unlimited auxiliary feedwater.

If you have any further questions, please contact our staff.

Yours very truly,

*S. R. Zimmerman*

S. R. Zimmerman  
Manager  
Licensing & Permits

DCW/lr (1918)

Sworn to and subscribed before me this 14th day of December, 1981.

*Franklin Murray*  
Notary Public

My commission expires: Oct. 4, 1986

