



Carolina Power & Light Company

SERIAL: NLS-84-094

MAR 20 1984

Director of Nuclear Reactor Regulation  
Attention: Mr. D. B. Vassallo, Chief  
Operating Reactors Branch No. 2  
Division of Licensing  
United States Nuclear Regulatory Commission  
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 & 50-324/LICENSE NOS. DPR-71 & DPR-62  
REQUEST FOR ADDITIONAL INFORMATION - CONTROL OF HEAVY LOADS

Dear Mr. Vassallo:

Following a phone conversation with your staff on February 21, 1984, Carolina Power & Light Company was asked to provide some additional information concerning load testing on the special lifting devices at the Brunswick Steam Electric Plant Unit Nos. 1 and 2.

Attached please find our responses to the questions asked by your staff. Should you have any question concerning this letter please do not hesitate to contact a member of our Licensing Staff.

Yours very truly,

S. R. Zimmerman  
Manager

Nuclear Licensing Section

PPC/ccc (9579PPC)  
Attachment

cc: Mr. D. O. Myers (NRC-BSEP)  
Mr. J. P. O'Reilly (NRC-RII)  
Mr. M. Grotenhuis (NRC)

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## QUESTION

It appears that the special lifting devices have never been load tested. Does the program being developed for compliance with ANSI N14.6 Article 5.3.1 provide for a load test of these devices? If it doesn't, what justification can be provided for having never completed an overload test. (See synopsis Guideline 4, Exception 2).

## RESPONSE

Initial load testing was performed for the following lifting devices:

### Head Strongback

The initial load test for the Head Strongback was performed at the time of manufacture of the equipment to 100 tons (25 tons applied simultaneously to each leg).

### Dryer Separator Sling

The initial load test for the Dryer Separator Sling was performed at the time of manufacture of the equipment to 104 tons (26 tons applied simultaneously to each leg).

### Spent Fuel Cask Yoke

The Spent Fuel Cask Yoke was originally load tested to 200% of rated load. In 1980 the Spent Fuel Cask Yoke was modified and retested to 200% of rated load.

Initial load testing has not been performed for the Stud Tensioner Frame and the In vessel Service Platform Strongback. However, a load test for these two special lifting devices will be performed in accordance with ANSI N14.6 Section 5.3.1.(1) by August 31, 1984. The Shielded Personnel Lifting Apparatus is already being load tested at BSEP. As mentioned in our February 3, 1984 letter, the load test presently being performed will be upgraded to meet the requirements of ANSI N14.6 Section 5.3.1.(1).

The acceptance testing and maintenance program being developed for the Shielded Personnel Lifting Apparatus, Head Strongback, Dryer Separator Sling, Stud Tensioner Frame and the In vessel Service Platform Strongback will provide for load testing of these devices in accordance with ANSI N14.6 Section 5.3.1.(1), 5.3.2, 5.3.3, 5.3.4 and 5.3.5. The spent fuel cask yoke will not be load tested; however, the acceptance testing and maintenance program presently used for this lifting device already meets the conditions of ANSI N14.6 Section 5.3.1.(2) per the manufacturer's recommendations. CP&L will continue to use the existing acceptance testing and maintenance program for the Spent fuel case yoke.