

CP&L

USNRC REG  
Carolina Power & Light Company  
ATLANTA

July 9, 1979

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FILE: NG-3513 (B)

SERIAL: GD-79-1664

Mr. James P. O'Reilly, Director  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, GA 30303

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 & 2  
LICENSE NOS. DPR-71 AND DPR-62  
DOCKET NOS. 50-325 AND 50-324  
SUPPLEMENTAL RESPONSE TO IE BULLETIN 78-02

Dear Mr. O'Reilly:

In response to your letter of January 30, 1978, transmitting IE Bulletin 78-02, Carolina Power & Light Company issued a response on February 14, 1978, stating that the Brunswick Steam Electric Plant had no unprotected terminal blocks in any system that must function in a post-accident environment. Carolina Power & Light Company is now submitting the following supplement to that response:

While investigating a problem with compression-type termination plugs manufactured by AMP (CP&L letter to Mr. Ippolito, Serial No. GD-79-1483, with a copy to Mr. J. P. O'Reilly), it was noted that the majority of electrical penetration boxes located within the drywell had blowout plugs located in the top of the box. These blowout plugs are designed to protect the boxes from damage should the pressure in the drywell exceed approximately 15 psi.

A large drywell pressure increase would blow out these plugs. Due to the location of these plugs, with the plugs blown out, moisture or spray in the drywell could enter the boxes, build an accumulation, and possibly cause shorts to terminals contained inside.

To correct this problem, Plant Modifications 79-096 for Unit No. 1 and 79-097 for Unit No. 2 were implemented. These modifications consisted of covering each blowout plug located in the top of its penetration box with stainless steel plates. In addition, permanent splash-guard protected holes were provided in the bottom of these penetrations to relieve pressure and provide drainage. We consider this as an interim fix. By August 5, 1979, a Task Assistance Request will be submitted to determine a permanent resolution for these boxes.

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The penetration terminal boxes are:

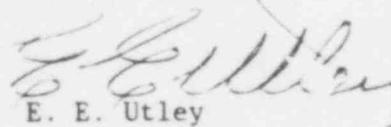
Vendor: Westinghouse Electric Company

Type: 5KV Power Penetration, Type WX-32164, Class A  
480V Power Penetration, Type WX-32165, Class B  
120V Power Penetration, Type WX-32166, Class C2  
120V Power Penetration, Type WX-32167, Class C3  
120V Power Penetration, Type WX-32168, Class C4  
Thermocouple Penetration, Type WX-32169, Class D2  
Low Noise Signal Wire Penetration, Type WX-32170,  
Class E  
Control Rod Drive System Penetration, Type WX-  
32171, Class F

The problem and our temporary correction were discussed with your Mr. J. E. Ouzts about June 1, when the situation was discovered.

We trust this additional information satisfies IE Bulletin 78-02.

Yours very truly,



E. E. Utley  
Executive Vice President  
Power Supply & Customer Services

CSB/jnh\*

cc: Messrs. Harold Denton  
Norman C. Moseley