



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 19, 2008

Mr. Benjamin Waldrep, Vice President
Brunswick Steam Electric Plant
Carolina Power & Light Company
Post Office Box 10429
Southport, North Carolina 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2 – CLOSEOUT OF
GENERIC LETTER 2007-01, "INACCESSIBLE OR UNDERGROUND POWER
CABLE FAILURES THAT DISABLE ACCIDENT MITIGATION SYSTEMS OR
CAUSE PLANT TRANSIENTS" (TAC NOS. MD4303 AND MD4304)

Dear Mr. Waldrep:

On February 07, 2007, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 2007-01, "Inaccessible or Underground Power Cable Failures That Disable Accident Mitigation Systems or Cause Plant Transients," (Agencywide Documents Access and Management System (ADAMS) Accession No. ML070360665). GL 2007-01 requested that licensees provide the following information within 90 days of the date of the GL:

- (1) A history of inaccessible or underground power cable failures for all cables that are within the scope of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.65, (the Maintenance Rule) and for all voltage levels, including the cable type, cable manufacturer, date of failure, type of service, voltage class, years of service, and the root causes for the failure; and,
- (2) A description of all inspection, testing, and monitoring programs to detect the degradation of inaccessible or underground power cables that support emergency diesel generators (EDGs), offsite power, emergency service water (ESW), service water, component cooling water and other systems that are within the scope of the Maintenance Rule.

In your letters dated May 8 and November 20, 2007 (ADAMS Nos. ML071360062 and ML073320598, respectively), you provided the information requested in GL 2007-01 and the subsequent request for additional information including: (1) A history of inaccessible or underground power cable failures for all cables that are within the scope of 10 CFR 50.65 and for all voltage levels, including the cable type, cable manufacturer, date of failure, type of service, voltage class, years of service, and the root causes for the failure; and, (2) A description of all inspection, testing, and monitoring programs to detect the degradation of inaccessible or underground power cables that support EDGs, offsite power, ESW, service water, component cooling water and other systems that are within the scope of the Maintenance Rule.

B. Waldrep

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The NRC staff has reviewed the submitted information and has concluded that for Brunswick Steam Electric Plant, Units 1 and 2, your response to GL 2007-01 is adequate. Based on this review, your response to GL 2007-01 is considered closed and no further action is requested of you at this time.

If you have any questions regarding this letter, please feel free to contact me at (301) 415-1447.

Sincerely,

A handwritten signature in black ink that reads "Farideh E. Saba". The signature is written in a cursive style with a large, stylized initial 'F'.

Farideh E. Saba, Senior Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-325 and 50-324

cc: See next page

Carolina Power & Light Company

**Brunswick Steam Electric Plant,
Units 1 and 2**

cc:

Sandra Spencer, Mayor
City of Southport
201 East Moore Street
Southport, North Carolina 28461

Additional Distribution via ListServ

B. Waldrep

- 2 -

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Sincerely,

/RA/

Farideh E. Saba, Senior Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-325 and 50-324

cc: See next page

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NRR-106

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November 19, 2008

B. Waldrep

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NRR-106

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